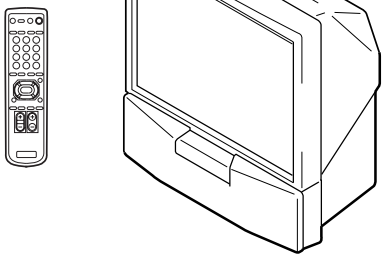
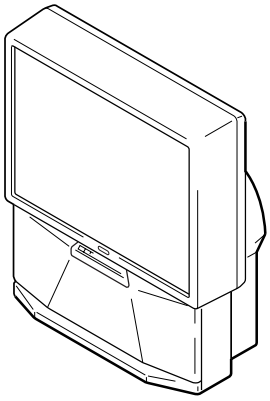
# SERVICE MANUAL RG-2 CHASSIS

| MODEL | COMMANDER | DEST. | CHASSIS NO. |
|---|---|---|---|
| KP-EF41HK2 | RM-871 | HK | SCC-N71E-A |
| KP-EF41ME2 | RM-871 | ME | SCC-N72E-A |
| KP-EF41MN2 | RM-871 | GE | SCC-N69E-A |
| KP-EF41SN2 | RM-871 | AUS | SCC-N73E-A |
| KP-EF48HK2 | RM-871 | HK | SCC-N71C-A |
| KP-EF48ME2 | RM-871 | ME | SCC-N72C-A |
| KP-EF48MN2 | RM-871 | GE | SCC-N69C-A |
| KP-EF48SN2 | RM-871 | AUS | SCC-N73C-A |

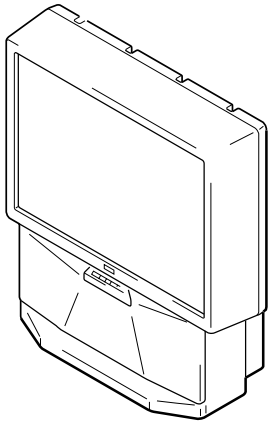
| MODEL | COMMANDER | DEST. | CHASSIS NO. |
|---|---|---|---|
| KP-EF53HK2 | RM-871 | HK | SCC-N71B-A |
| KP-EF53ME2 | RM-871 | ME | SCC-N72B-A |
| KP-EF53MN2 | RM-871 | GE | SCC-N69B-A |
| KP-EF53SN2 | RM-871 | AUS | SCC-N73B-A |



KP-EF41HK2/EF41ME2/
EF41MN2/EF41SN2



KP-EF48HK2/EF48ME2/
EF48MN2/EF48SN2



KP-EF53HK2/EF53ME2/
EF53MN2/EF53SN2

MICROFILM

* Please file according to model size. ...□

41 | 48 | 53

PROJECTION TV

SONY®

## SPECIFICATIONS

**Projection system**
3 picture tubes, 3 lenses, horizontal in-line system

**Picture tube** 7 inch high-brightness monochrome tubes (6.3 raster size), with optical coupling and liquidcooling system

**Projection lenses** High performance, large-diameter hybrid lens F1.0

**Screen size** 41 inches (KP-EF41)
48 inches (KP-EF48)
53 inches (KP-EF53)

**Television system**
B/G, I, D/K, M

**Color system** PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58

**Channel coverage**

**B/G**
VHF: E2 to E12
UHF: E21 to E69
CATV: S01 to S03, S1 to S41

**I**
UHF: B21 to B68
CATV: S01 to S03, S1 to S41

**D/K**
VHF: C1 to C12, R1 to R12
UHF: C13 to C57, R21 to R60
CATV: Z1 to Z39, S01 to S03, S1 to S41

**M**
VHF: A2 to A13
UHF: A14 to A79
CATV: A-8 to A-2, A to W+4, W+6 to W+84

**Stereo system** NICAM stereo B/G, I, D/K
A2 stereo (German) B/G

**Antenna** 75 ohm external antenna terminal

**Audio output (Speaker)**
15 W × 2

**Number of terminals**

**Video** Input: 4, Output: 1
phono jacks, 1 Vp-p, 75 ohms

**Audio** Input: 5, Output: 1, VARIABLE output: 1, phono jacks, 500 mVrms

**S video** Input: 2,
Y: 1 Vp-p, 75 ohms, unbalanced, sync negative,
C: 0.286 Vp-p, 75 ohms

**Component video**
Input: 1, phono jacks
Y: 1.0 Vp-p, 75 ohms, sync negative
$C_B$/B-Y: 0.7 Vp-p, 75 ohms
$C_R$/R-Y: 0.7 Vp-p, 75 ohms
Audio: 500 mVrms

**Headphone** Output: 1, minijack

**Power requirement**
110 – 240 V AC, 50/60 Hz

**Power consumption**
160 W

**Dimensions (w/h/d)**
948 × 992 × 511 mm (KP-EF41)
1106 × 1336 × 558 mm (KP-EF48)
1218 × 1413 × 602 mm (KP-EF53)

**Mass** Approx. 43 kg (KP-EF41)
Approx. 66 kg (KP-EF48)
Approx. 70 kg (KP-EF53)

**Supplied accessories**
Remote commander RM-871 (1)
Size R6 (AA) battery (2)

**Optional accessory**
AV rack SU-EF41 (KP-EF41),
SU-EF4853 (KP-EF48/EF53)

Design and specifications are subject to change without

**CAUTION**

**SHORT CIRCUIT THE ANODE OF HTE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.**

**SAFETY-RELATED COMPONENT WARNING!!**

**COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

## TABLE OF CONTENTS


| Section | Title | Page |
|---|---|---|
| **1.** | **GENERAL** | 4 |
| **2.** | **DISASSEMBLY** | |
| 2-1. | Rear Board Removal | 19 |
| 2-2. | Main Bracket Section Removal | 20 |
| 2-3. | Service Position | 21 |
| 2-4. | H1 Board, H2 Board and Resistor (High Voltage) Removal | 22 |
| 2-5. | Beznet Section Removal | 24 |
| 2-6. | G Board Removal | 26 |
| 2-7. | P1 Board and V2 Board Removal | 26 |
| 2-8. | UG Board, AG Board and S Board Removal | 26 |
| 2-9. | High-Voltage Cable Installation and Removal | 27 |
| 2-10. | Mechasel Assy Removal | 27 |
| 2-11. | Chassis Block Removal | 28 |
| (1) | H1, H2 Boards and Resistor Removal | 28 |
| (2) | Main Bracket Removal | 29 |
| (3) | Chassis Block Removal | 30 |
| **3.** | **SET-UP ADJUSTMENTS** | |
| 3-1. | Screen Voltage Adjustment (Rough Alignment) | 31 |
| 3-2. | Focus Adjustment | 31 |
| 3-3. | Screen (G2) Adjustment | 31 |
| 3-4. | Deflection Yoke Tilt Adjustment | 31 |
| 3-5. | 2-Pole Magnet Adjustment | 32 |
| 3-6. | 4-Pole Magnet Adjustment | 32 |
| 3-7. | Defocus Adjustment (Blue) | 32 |
| 3-8. | Green and Red Focus Adjustment | 32 |
| 3-8-1. | Green and Red Lens Focus Adjustment | 32 |
| 3-8-2. | Green and Red Electrical Focus Adjustment | 32 |
| **4.** | **SAFETY RELATED ADJUSTMENT** | |
| 4-1. | HV Hold Down Adjustment | 33 |
| **5.** | **CIRCUIT ADJUSTMENTS** | 34 |
| 5-1. | Adjustments with Commander | 34 |
| 5-2. | Adjustment Method | 35 |
| 5-3. | Adjustment After IC1001 and IC1702 Replacement | 35 |
| 5-4. | Registration (Convergence)Adjustment Method | 42 |
| 5-5. | Auto Convergence Adjustment | 47 |
| 5-6. | White Balance Adjustment | 48 |
| 5-7. | Text Position Adjustment | 48 |
| 5-8. | Picture Quality Adjustments | 48 |
| **6.** | **DIAGRAMS** | |
| 6-1. | Block Diagrams | 49 |
| 6-2. | Frame Schematic Diagram | 59 |
| 6-3. | Circuit Boards Location | 62 |
| 6-4. | Schematic Diagrams and Printed Wiring Boards | 63 |
| (1) | Schematic Diagram of AG (1/3) Board | 67 |
| (2) | Schematic Diagram of AG (2/3) Board | 71 |
| (3) | Schematic Diagrams of AG (3/3), CB, CG and CR Boards | 75 |
| (4) | Schematic Diagram of E Board | 79 |
| (5) | Schematic Diagram of D Board | 89 |
| (6) | Schematic Diagrams of P1 and V2 Boards | 93 |
| (7) | Schematic Diagrams of H1, H2, S, ZG and ZR Boards | 101 |
| (8) | Schematic Diagrams of G and UG Boards | 104 |
| 6-5. | Semiconductors | 109 |
| **7.** | **EXPLODED VIEWS** | |
| 7-1. | Screen and Cover Block (KP-EF41) | 111 |
| 7-2. | Cabinet and Panel Block (KP-EF41) | 112 |
| 7-3. | Chassis and Picture Tube Block (KP-EF41) | 113 |
| 7-4. | Screen and Cover Block (KP-EF48) | 114 |
| 7-5. | Cabinet and Panel Block (KP-EF48) | 115 |
| 7-6. | Chassis and Picture Tube Block (KP-EF48) | 116 |
| 7-7. | Screen and Cover Block (KP-EF53) | 117 |
| 7-8. | Cabinet and Panel Block (KP-EF53) | 118 |
| 7-9. | Chassis and Picture Tube Block (KP-EF53) | 119 |
| **8.** | **ELECTRICAL PARTS LIST** | 120 |

**The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.**

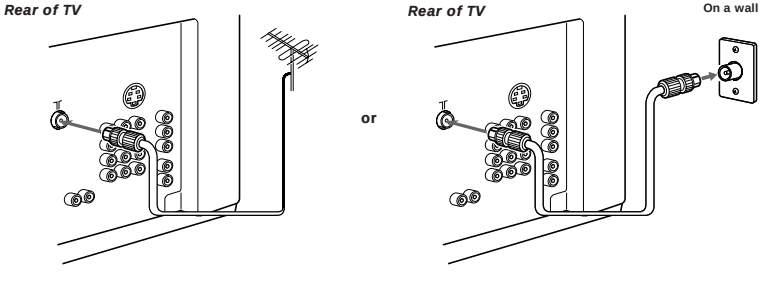
# SECTION1
# GENERAL

***Getting Started***

## Connections

### Connecting a VHF antenna or a combination VHF/UHF antenna — 75-ohm coaxial cable (round)

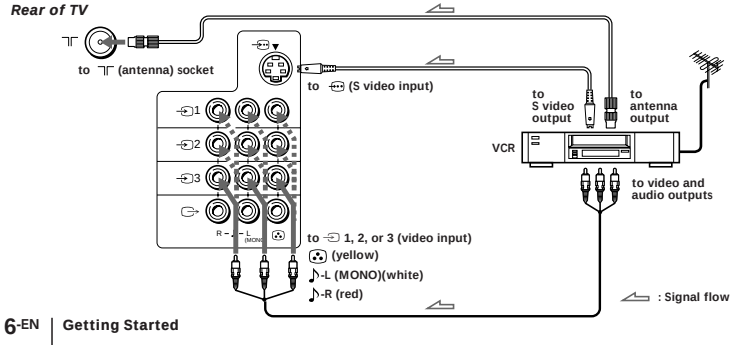
Attach an optional IEC antenna connector to the 75-ohm coaxial cable.
Plug the connector into the ┳ (antenna) socket at the rear of the TV.




### Connecting optional equipment

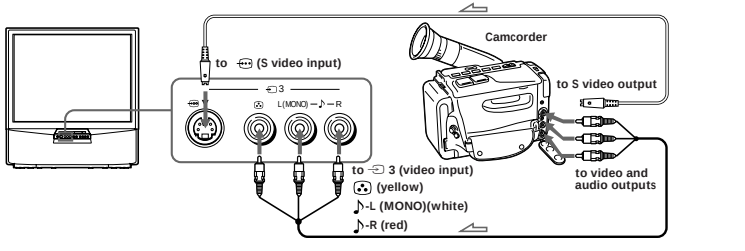
You can connect optional audio/video equipment to your TV such as a VCR, multi disc player, camcorder, video game or stereo system.

#### Connecting video equipment using video input jacks






***Front of TV***




**When connecting a monaural VCR**
Connect the yellow plug to (video input) and the black plug to ♪-L (MONO) (audio input).

**When connecting video game equipment**
Connect video game equipment to the 3 (video input) jacks at the front or the rear of your TV.

**When connecting a VCR to the ┳ (antenna) terminal**
Preset the signal output from the VCR to the program position 0.

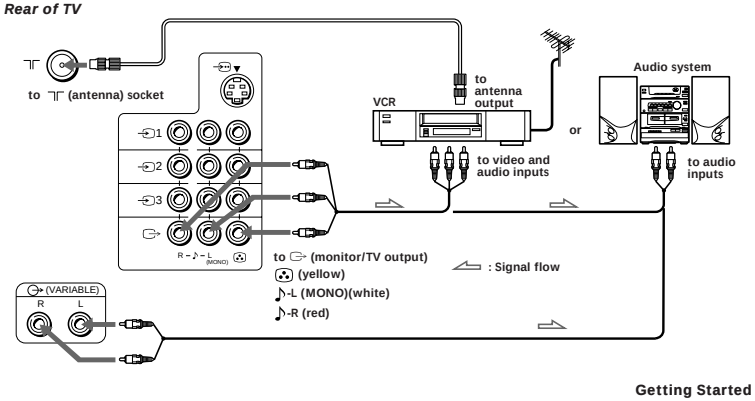
**When connecting video equipment to the 3 (video input) jacks at the front and the rear**
Do not connect video equipment to the 3 (video input) jacks at the front and the rear of your TV simultaneously; otherwise the picture will not be displayed properly on the screen.

**If both S Video and video signals are input simultaneously**
The S video input signal is selected. To view a video input signal, disconnect the (S video) connection.

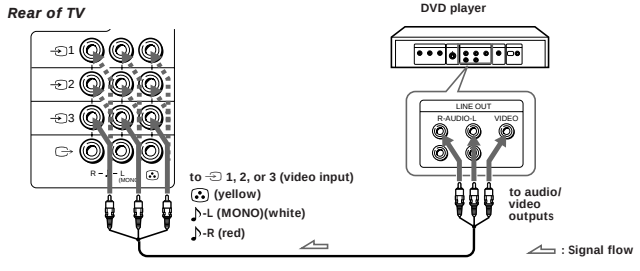
**Note on the video input**
When no signal is input, the screen becomes blue.

#### Connecting audio/video equipment using (monitor/TV output) jacks

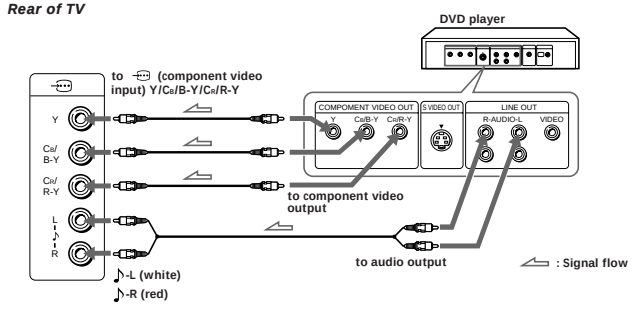
When the audio cable is connected to the (VARIABLE) jacks, you can adjust the volume with +/–.



### Connecting a DVD player




### Connecting a DVD player with component video output connecors



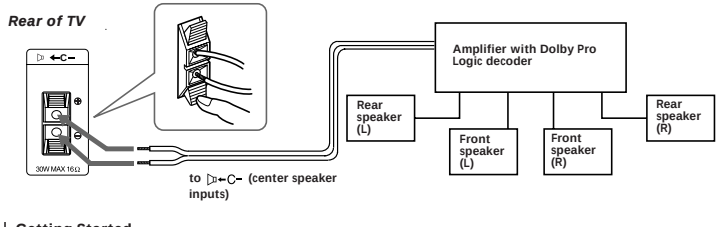

**Notes**

- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the sharpness (SHARP) in the VIDEO ADJUST menu. (See page 20.)
- Connect your DVD player directly to your TV. Connecting the DVD player through other video equipment will cause unwanted picture noise.

### Connecting an amplifier with Dolby* Pro Logic decoder

Even though you use an amplifier with Dolby Pro Logic decoder instead of the projection TV's audio system, you can still use the projection TV's center speaker.

* Manufactured under license from Dolby Laboratories Licensing Corporation.
DOLBY, the double-D symbol and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

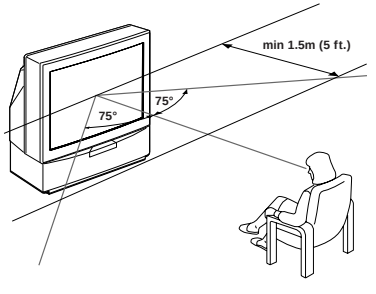



# Installing the projection TV

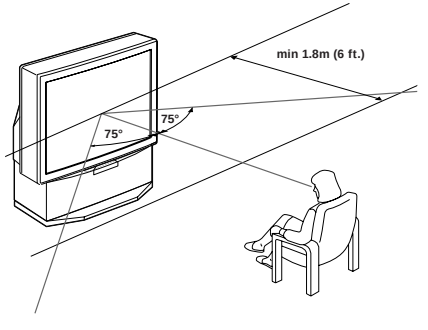
For the best picture quality, install the projection TV within the areas shown below.

## Optimum viewing area (Horizontal)

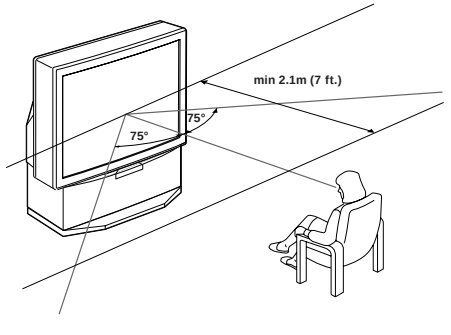
**KP-EF41**



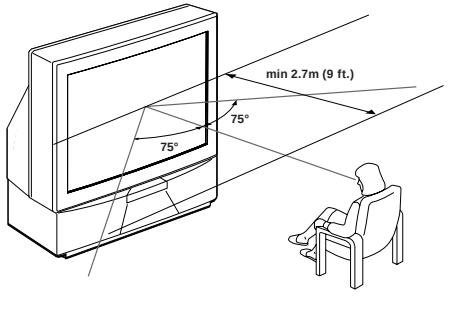

**KP-EF48**




**KP-EF53**

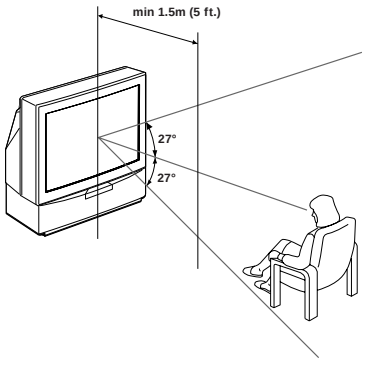



**KP-EF61**

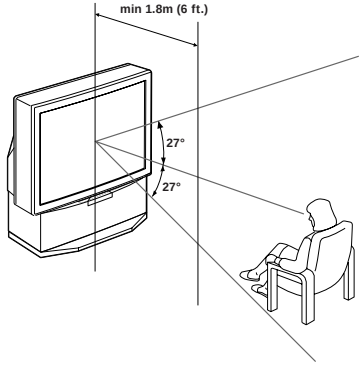


## Optimum viewing area (Vertical)

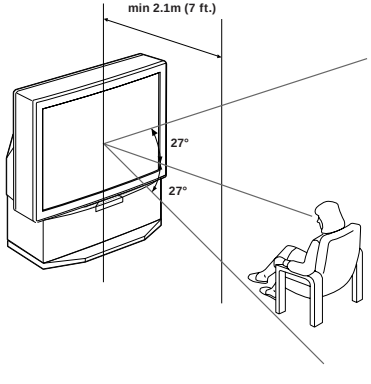
**KP-EF41**



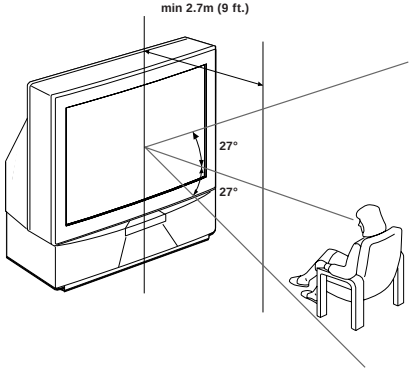

**KP-EF48**




**KP-EF53**




**KP-EF61**

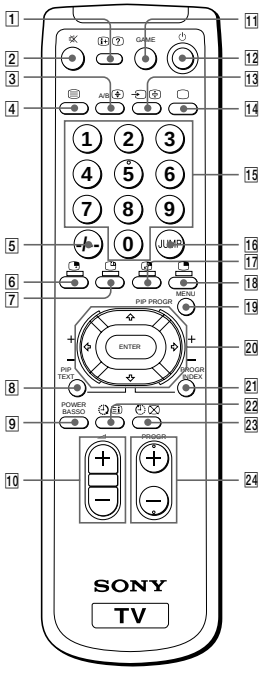





# Getting to know the remote commander

Names/symbols of buttons on the remote commander are indicated in different colors to represent the available functions.

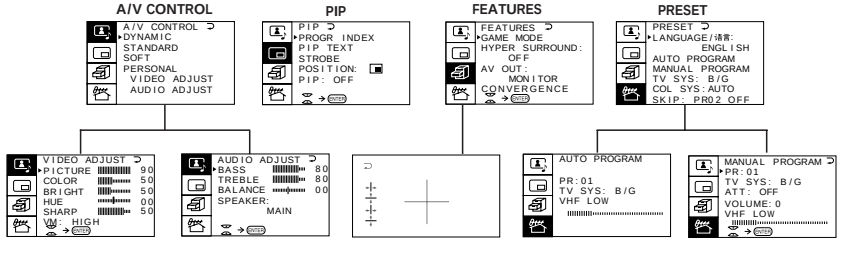
| Label color | Button function |
|---|---|
| White | For general TV operations. |
| Green | For Teletext operations. |
| Yellow | For PIP and PROGRAM INDEX operations. |




| Symbol | Name | Refer to page |
|---|---|---|
| 1 | On-screen display button | 19 |
| | Teletext: Reveal button | 29 |
| 2 | Mute on/off button | 19 |
| 3 A/B | Sound select button | 24 |
| | Teletext: Enlarge button | 29 |
| 4 | Teletext button | 28 |
| 5 -/-- | Double-digit entering button | 18 |
| 6 | Input select for PIP button | 26 |
| 7 | PIP freezing button | 27 |
| 8 PIP TEXT | PIP TEXT button | 30 |
| 9 POWER BASSO | POWER BASSO button | 22 |
| 10 +/– | Volume control button | 18 |
| 11 GAME | GAME button | 31 |
| 12 | TV standby button | 18 |
| 13 | Input mode selector | 19 |
| | Hold button | 28 |
| 14 | TV power on/TV mode selector | 19 |
| 15 1,2,3,4,5, 6,7,8,9,0 | Number buttons | 18 |
| 16 JUMP | JUMP button | 19 |
| 17 | Swapping picture button | 27 |
| 18 | PIP display button | 26 |
| 19 MENU | MENU button | 12 |
| 20 ↑/→/↓/← | Cursor control key | 12 |
| ENTER | Enter button | 12 |
| 21 PROGR INDEX | PROGR INDEX button | 25 |
| 22 | Wake up button (not in use for your model) | |
| | Teletext: INDEX button | 28 |
| 23 | Sleep timer button | 19 |
| | Teletext: Text clear button | 29 |
| 24 PROGR +/– | Program selectors | 18 |

# Introducing the menu system

You can preset TV channels, adjust the picture and sound qualities, and select some settings using the on-screen menus. You can use the buttons on both the remote commander and the TV to operate the menus.




## Getting back to the previous menu (except for AUTO PROGRAM)

**Press ↑ or ↓ to move the cursor (▶) to the first line (↩) of each menu, and press ENTER.**

## Cancelling the menu screen

**Press MENU.**

**Notes (except for AUTO PROGRAM)**

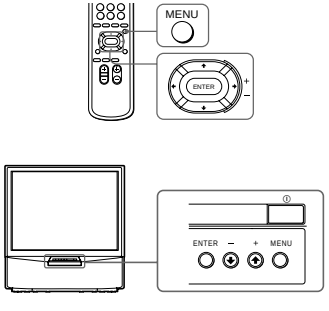
- When a menu is selected after pressing ENTER, the color of both the menu and the menu symbol change and the cursor (▶) appears beside the first item of the menu.
- When an item on the menu is selected after pressing ENTER, the color of the item changes.
- You can refer to the guide (→ ENTER) at the bottom of the menus (except for the A/V CONTROL and PRESET menus) for the basic operations of the menu.
- If more than approximately 60 seconds elapse after you press a button, the menu screen disappears automatically.



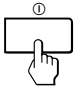


# Changing the menu language

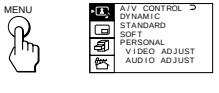
If you prefer Chinese (for MN, MG, HK and SN models)/Arabic (for ME model) to English, you can change the menu language. You can use buttons on both the remote commander and the TV.



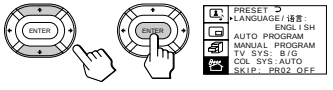

**1 Press ⏻ to turn on the TV.**




**2 Press MENU.**




**3 Press ↑ or ↓ to move the cursor (▶) to the PRESET menu (), and press ENTER.**




**4 Make sure the cursor (▶) appears beside LANGUAGE/ 语言 (اللغة), and press ENTER.**

**5 Press ↑/→/↓/← to select 中文 (عربي), and press ENTER.**
All of the menus change to Chinese (Arabic).

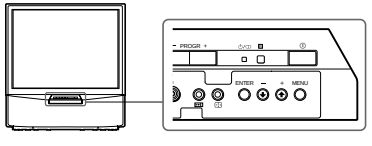
**6 Press MENU to return to the normal screen.**

# Presetting channels

You can preset TV channels easily by storing all the receivable channels automatically. You can also preset channels manually or disable program positions (see page 16 ).

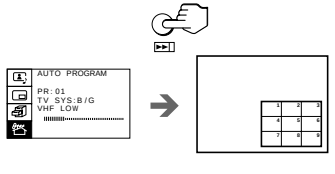
## Presetting channels automatically

You can preset up to 100 TV channels in numerical sequence from the program position 1. You can preset channels automatically using the button on the TV or the menu.



**1 Press ⏻ to turn on the TV.**

**2 Press ▶▶| .**




The TV starts scanning and presetting channels automatically. When all of the receivable channels are stored, the AUTO PROGRAM menu disappears and the first nine preset TV programs appear on the nine sub screens. The nine sub screens disappear after being displayed for several seconds.

**Note**

- If you want to return to the normal screen while the nine sub screens are being displayed, you can press PROGR INDEX on the remote commander.

### To preset channels automatically using the menu

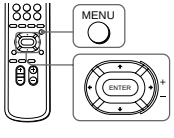
**1 Press MENU.**

**2 Press ↑ or ↓ to move the cursor (▶) to the PRESET menu ( ), and press ENTER.**

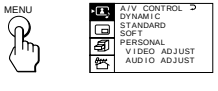
**3 Press ↑ or ↓ to move the cursor (▶) to AUTO PROGRAM, and press ENTER.**

## Presetting channels manually

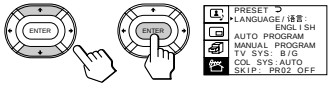
To change the program position for a channel or to receive a channel with a weak signal which you cannot receive by automatic presetting, preset the channel manually.




**1 Press MENU.**



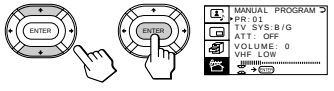

**2 Press ↑ or ↓ to move the cursor (▶) to the PRESET menu ( ), and press ENTER.**




**3 Select your local TV system.**

(1) Press ↑ or ↓ to move the cursor (▶) to TV SYS, and press ENTER.
(2) Press ↑/→/↓/← until your local TV system appears on the menu, and press ENTER.

**4 Press ↑ or ↓ to move the cursor (▶) to MANUAL PROGRAM, and press ENTER.**




**5 Select the program position to which you want to preset a channel.**

(1) Make sure the cursor (▶) appears beside PR, and press ENTER.
(2) Press ↑/→/↓/← until the program position you want appears on the menu, and press ENTER.

**6 Select the desired channel.**

(1) Press ↑ or ↓ to move the cursor (▶) to VHF LOW (VHF Hi or UHF), and press ENTER.
(2) Press ↑/→/↓/← until the desired channel picture appears on the TV screen, and press ENTER.

**7 Press MENU to return to the normal screen.**

**If the TV system is not properly selected**

The picture color may be poor and/or the sound may be noisy. In this case, select the appropriate TV system.

1 Press PROGR +/– or the number buttons to select the program position.
2 Display the PRESET menu.
3 Press ↑ or ↓ to move the cursor (▶) to TV SYS, and press ENTER.
4 Press ↑/→/↓/← until the appropriate TV system appears, and press ENTER.

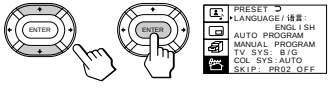
**Notes**

- The TV SYS (TV system), the ATT (attenuator), and the VOLUME (volume offset) settings are memorized for each program position.
- If you do not know your local TV system, consult your nearest Sony dealer or authorized service center.

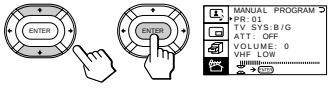
## Attenuating the signal for individual programs

If the TV signal is too strong, the picture may be distorted. You can reduce the picture distortion by attenuating the signal individually.

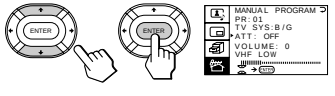
**1 Display the PRESET menu.**




**2 Press ↑ or ↓ to move the cursor (▶) to MANUAL PROGRAM, and press ENTER.**




**3 Press ↑ or ↓ to move the cursor (▶) to ATT, and press ENTER.**



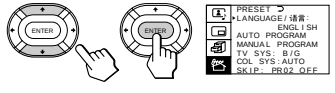

**4 Press ↑/→/↓/← to select ON, and press ENTER.**

## Disabling program positions

By disabling unused or unwanted program positions, you can skip those positions when you press PROGR +/–.

**1 Press MENU.**

**2 Press ↑ or ↓ to move the cursor (▶) to the PRESET menu ( ), and press ENTER.**




**3 Press ↑ or ↓ to move the cursor (▶) to SKIP, and press ENTER.**

**4 Press ↑ or ↓ until the unused or unwanted program position appears on the menu, and press ENTER.**

**5 Press ↑/→/↓/← to select ON, and press ENTER.**

**6 To disable other program positions, repeat steps 4 and 5.**

**7 Press MENU to return to the normal screen.**

**To cancel the skip setting**

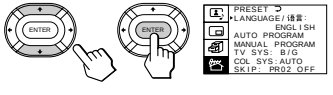
1 Display the PRESET menu.
2 Press ↑ or ↓ to move the cursor (▶) to SKIP, and press ENTER.
3 Press ↑ or ↓ until the program position you want to cancel the skip setting appears, and press ENTER.
4 Press ↑/→/↓/← to select OFF, and press ENTER.

## Presetting the volume level for individual programs

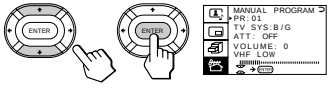
If the volume of the selected program is louder than that of other programs, set the volume level.

**1 Press MENU.**

**2 Press ↑ or ↓ to move the cursor (▶) to the PRESET menu ( ), and press ENTER.**




**3 Press ↑ or ↓ to move the cursor (▶) to MANUAL PROGRAM, and press ENTER.**




**4 Press ↑ or ↓ to move the cursor (▶) to VOLUME, and press ENTER.**

**5 Press ↑/→/↓/← to set the level, and press ENTER.**
The level can be set as 0, –1, –2, ....–6 (minimum).

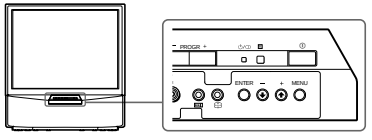




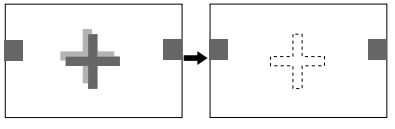
# Adjusting the convergence (CONVERGENCE)

Before you use the projection TV, adjust convergence. The projection tube image appears on the screen in three layers (red, green and blue). If they do not converge, the color is poor and the picture blurs. To correct this, adjust convergence.
After 20-30 minutes of turning on the power, adjust convergence.

## Adjusting the convergence automatically




**Press on the TV.**
The auto convergence function works for about 30 seconds.

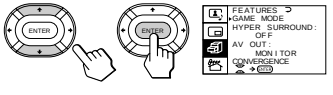


## Adjusting the convergence manually

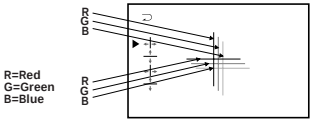
When the auto convergence function does not work correctly with , adjust convergence by selecting CONVERGENCE of the FEATURES menu.

**1 Press MENU.**

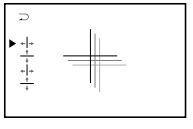
**2 Press ↑ or ↓ to move the cursor (▶) to the FEATURES menu ( ), and press ENTER.**




**3 Press ↑ or ↓ to move the cursor (▶) to CONVERGENCE and press ENTER.**
The CONVERGENCE adjustment screen appears.

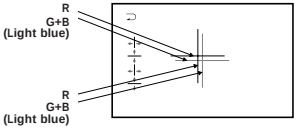



**4 Press ↑ or ↓ to move the cursor (▶) to the symbol showing the line you want to adjust, and press ENTER.**



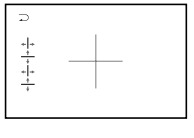
: Red vertical line (left/right adjustment)
: Red horizontal line (up/down adjustment)
: Blue vertical line (left/right adjustment)
: Blue horizontal line (up/down adjustment)

**5 Press ↑ or ↓ to move the line until it converges with the center green line, and press ENTER.**



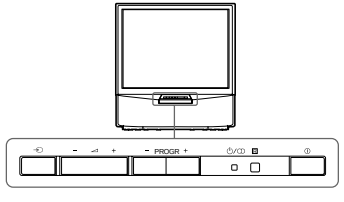

To move up/right, press ↑.
To move down/left, press ↓.

**6 Repeat steps 4 and 5 to adjust the other lines until all three lines converge and are seen as a white cross.**

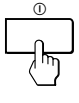


**7 Press MENU to return to the normal screen.**

# Watching the TV



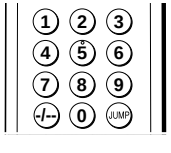
**1 Press ⏻ to turn on the TV.**



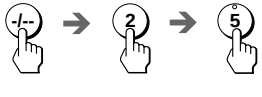
When the TV is turned on in the standby mode, the ⏻/CD indicator on the TV lights up. To turn on the TV completely, press ⏻ on the remote commander or the TV.

**2 Select the TV program you want to watch.**

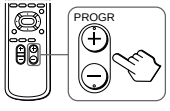
**To select a program position directly**
Press the number button.



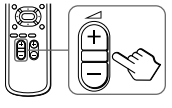

To select a two-digit program position, press "-/--" before the number buttons.
For example: to select program position 25, press "-/--," then "2" and "5."




**To scan through program positions**
Press PROGR + /– on the remote commander or the TV until the program position you want appears.

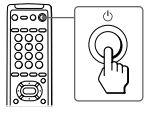



**3 Press ◿ +/– on the remote commander or the TV to adjust the volume.**

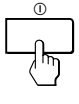


## Turning off the TV

**To turn off the TV temporarily**
Press ⏻ on the remote commander. The ⏻/CD indicator lights up.

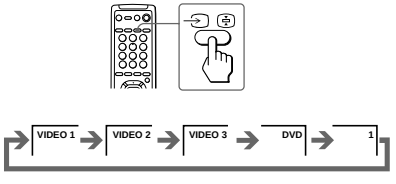


**To turn off the TV completely**
Press ⏻ on the TV.

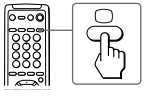


## Watching the video input

**Press ⮆ on the remote commander or ⮆ on the TV.**

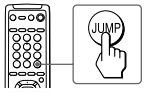



**To watch TV**
Press 🖵 on the remote commander or ⮆ on the TV.



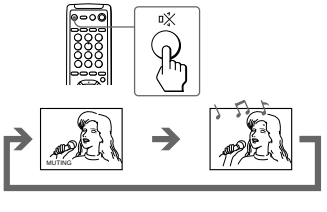
## Switching back quickly to the previous channel

**Press JUMP.**



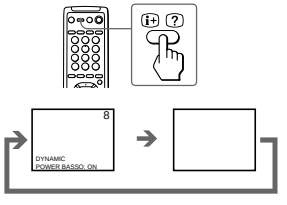

## Muting the sound

**Press 🔇.**




## Displaying the on-screen information

**Press i ?.**

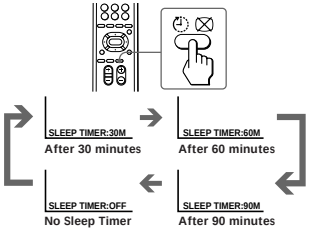



**Note**
- The on-screen display shows the program position or the video mode, the picture and sound information. The on-screen display for the picture and sound information disappears after being displayed for approximately three seconds.

## Setting the Sleep Timer

You can set the TV to turn off automatically after the period of time you want.

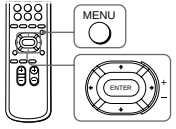
**Press ⏲ ⊠.**




To cancel the Sleep Timer, press ⏲ ⊠ repeatedly until "SLEEP TIMER: OFF" appears, or turn the TV off.

# Adjusting the picture and sound

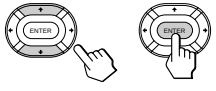
## Selecting the picture and sound modes




**1 Press MENU.**

**2 Make sure the cursor (▶) appears in the A/V CONTROL menu (), and press ENTER.**

**3 Press ↑ or ↓ to move the cursor (▶) to DYNAMIC, STANDARD, SOFT, or PERSONAL, and press ENTER.**




| Select | To |
|---|---|
| DYNAMIC | Receive high contrast picture with powerful sound. |
| STANDARD | Receive normal contrast picture with medium listening sound. |
| SOFT | Receive mild picture with soft sound. |
| PERSONAL | Receive the last picture and sound settings that are adjusted using VIDEO ADJUST and AUDIO ADJUST. |

**4 Press MENU to return to the normal screen.**

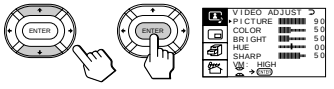
## Adjusting the picture settings (VIDEO ADJUST)

You can adjust the picture settings to suit your taste with the VIDEO ADJUST option. The adjusted settings are stored in the PERSONAL option.

**1 Press MENU.**

**2 Make sure the cursor (▶) appears in the A/V CONTROL menu (), and press ENTER.**

**3 Press ↑ or ↓ to move the cursor (▶) to VIDEO ADJUST, and press ENTER.**




**4 Press ↑ or ↓ to move the cursor (▶) to the item you want to adjust, and press ENTER.**

**5 Press ↑/→/↓/← to adjust the selected item, and press ENTER.**

For details on each item, see "Description of adjustable items" below.

**6 To adjust other items, repeat steps 4 and 5.**

**7 Press MENU to return to the normal screen.**

**Description of adjustable items**

| Item | Press ↑/← | Press ↑/→ |
|---|---|---|
| PICTURE | Decrease picture contrast. | Increase picture contrast. |
| COLOR | Decrease color intensity. | Increase color intensity. |
| BRIGHT | Darken the picture. | Brighten the picture. |
| HUE | Make picture tones become reddish. | Make picture tones become greenish. |
| SHARP | Soften the picture. | Sharpen the picture. |
| VM | Decrease emphasis on picture edges. | Increase emphasis on picture edges. |

**Note**
- You can adjust HUE for the NTSC color system only. (Note that you can't adjust the NTSC color system of the component inputs.)

**If the picture is slightly snowy**
You may try to improve the picture by changing the VM setting as described below:

1 Display the VIDEO ADJUST menu.
2 Press ↑ or ↓ to move the cursor (▶) to VM, and press ENTER.
3 Press ↑/→/↓/← to select LOW, and press ENTER.

**If the picture color is abnormal when receiving programs through the 𝍐 (antenna) terminal**
Change the color system or the TV system from the PRESET menu as described below until the color becomes normal.

1 Display the PRESET menu.
2 Press ↑ or ↓ to move the cursor (▶) to COL SYS or TV SYS, and press ENTER.
3 Press ↑/→/↓/← to change the color system or the TV system until the color becomes normal, and press ENTER.

**Note**
- Normally set the color system (COL SYS) to AUTO.

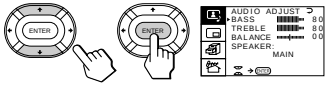
## Adjusting the sound settings (AUDIO ADJUST)

You can adjust the sound settings to suit your taste with the AUDIO ADJUST option. The adjusted settings are stored in the PERSONAL option.

**1 Press MENU.**

**2 Make sure the cursor (▶) appears in the A/V CONTROL menu (), and press ENTER.**

**3 Press ↑ or ↓ to move the cursor (▶) to AUDIO ADJUST, and press ENTER.**




**4 Press ↑ or ↓ to move the cursor (▶) to the item you want to adjust, and press ENTER.**

**5 Press ↑/→/↓/← to adjust the selected item, and press ENTER.**

For details on each item, see "Description of adjustable items" below.

**6 To adjust other items, repeat steps 4 and 5.**

**7 Press MENU to return to the normal screen.**

**Description of adjustable items**

| Item | Press ↑/← | Press ↑/→ |
|---|---|---|
| BASS | Decrease the bass sound. | Increase the bass sound. |
| TREBLE | Decrease the treble sound. | Increase the treble sound. |
| BALANCE | Increase the left speaker's volume | Increase the right speaker's volume. |

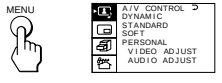
**If the sound is distorted or noisy when receiving programs through the 𝍐 (antenna) terminal**
Change the TV system from the PRESET menu as described below until the sound becomes normal.

1 Display the PRESET menu.
2 Press ↑ or ↓ to move the cursor (▶) to TV SYS, and press ENTER.
3 Press ↑/→/↓/← to change the TV system until the sound becomes normal, and press ENTER.

## Setting the speaker

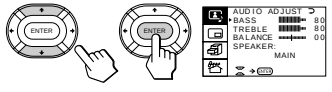
If you connect a Dolby Pro Logic-compatible amplifier to the center speaker terminals, you can use the projection TV speakers as center speakers.

**1 Press MENU.**

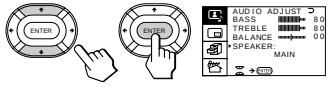



**2 Make sure the cursor (▶) appears in the A/V CONTROL menu ( ), and press ENTER.**

**3 Press ↑ or ↓ to move the cursor (▶) to AUDIO ADJUST, and press ENTER.**




**4 Press ↑ or ↓ to move the cursor (▶) to SPEAKER, and press ENTER.**



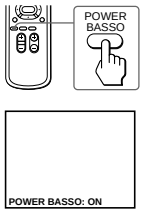

**5 Press ↑/→/↓/← to set the speaker, and press ENTER.**
To use the projection TV speakers as center speakers, select CENTER IN.
To listen to the sound from a projection TV, select MAIN.

**6 Press MENU to return to the normal screen.**

# Listening with dynamic sound (POWER BASSO)

The POWER BASSO sound mode enables you to enjoy a high quality sound with the best combination of all types of sound. It reproduces dynamic and clear sounds and emphasizes low and high audio effects as well.

**Press POWER BASSO.**



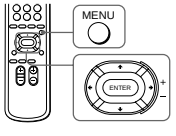

The sound mode of the TV program or the video input changes to the POWER BASSO sound.

**To cancel the POWER BASSO mode**
Press POWER BASSO again.

**Note**
- You can select any of the surround sound modes (HYPER SURROUND) to cancel the POWER BASSO sound.

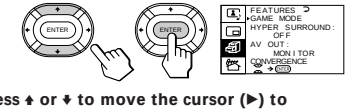
# Listening to the surround sound (HYPER SURROUND)

The HYPER SURROUND feature enables you to enjoy a surround sound effect that is like being in a concert hall or movie theater when receiving stereo signals.



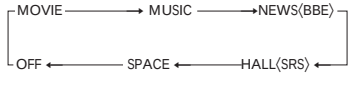

**1 Press MENU.**

**2 Press ↑ or ↓ to move the cursor (▶) to the FEATURES menu ( ) , and press ENTER.**




**3 Press ↑ or ↓ to move the cursor (▶) to HYPER SURROUND, and press ENTER.**

**4 Press ↑/→/↓/← to select MOVIE, MUSIC, NEWS⟨BBE⟩, HALL⟨SRS⟩ or SPACE, and press ENTER.**




For details on each item, see "Description of adjustable items" below.

**5 Press MENU to return to the normal screen.**

**Description of adjustable items**

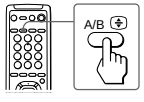
| Select | To |
|---|---|
| MOVIE | Listen to a sound that emphasizes the bass audio effect of movie theater. |
| MUSIC | Listen to a dynamic and clear sound that emphasizes the low and high audio sounds. |
| NEWS⟨BBE⟩ | Listen to a sound that emphasizes voice. |
| HALL⟨SRS⟩ | Listen to a sound that spreads out over a large area, giving the feeling of being at a concert hall. |
| SPACE | Listen to a monaural sound that gives a stereo-like effect. |
| OFF | Turn off the surround sound. |

**Notes**
- The BBE is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.
- The (●)® SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669.
  The word "SRS" and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

# Selecting a stereo or bilingual program

You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems.

**Press A/B⊕ repeatedly until you receive the sound you want.**
The on-screen display changes corresponding to the selected sound and the ⏻/CD indicator also lights up.




**When receiving a NICAM program**

| Broadcasting | On-screen display (Selected sound) |
|---|---|
| NICAM stereo | NICAM (Stereo sound) → MONO (Regular sound) |
| NICAM bilingual | NICAM MAIN (Main sound) → NICAM SUB (Sub sound) → MONO (Regular sound) |
| NICAM monaural | NICAM MAIN (Main sound) → MONO (Regular sound) |

**When receiving an A2 (German) program**

| Broadcasting | On-screen display (Selected sound) |
|---|---|
| A2 (German) stereo | MONO (Regular sound) → STEREO (Stereo sound) |
| A2 (German) bilingual | MAIN (Main sound) → SUB (Sub sound) |

**Receiving area for NICAM and A2 (German) programs**

| System | Receiving area |
|---|---|
| NICAM | Hong Kong, Singapore, New Zealand, Malaysia, Thailand, etc. |
| A2 (German) | Australia, Malaysia, Thailand, etc. |

**Notes**
- If the signal is very weak, the sound becomes monaural.
- If the stereo sound is noisy when receiving a NICAM program, select "MONO." The sound becomes monaural, but the noise is reduced.

**If the sound is distorted or noisy when receiving a monaural program through the ⅄ (antenna) terminal**
Press A/B⊕ repeatedly until "MONO" appears on the screen while the ⏻/CD indicator is off.

To cancel the monaural sound setting, press A/B⊕ again until "AUTO" appears on the screen.

MONO → AUTO

**Notes**
- The "MONO" or "AUTO" setting memorized for each program position.
- You cannot receive stereo broadcast signal when the TV is in the "MONO" setting.



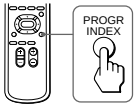


# Viewing multiple programs at the same time (PROGRAM INDEX)

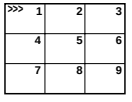
The PROGRAM INDEX feature allows you to view all the preset TV programs and the video inputs on the nine sub screens at the same time.

You can view multiple programs on the nine sub screens using the button on the remote commander or the menu.

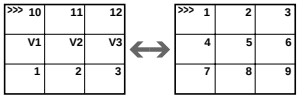
**Press PROGR INDEX.**




The first nine preset programs appear on the nine sub screens.




**To view the next or the previous nine preset programs on the nine sub screens**
Press PROGR +/– on the remote commander or the TV.



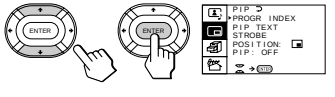

**To select the program you want to watch directly after viewing multiple programs**
Press the number buttons, –⊖⊕, or press ↑/→/↓/← to move the cursor (>>>) to the screen of the program you want to watch, and press ENTER.

**To restore the normal screen**
Press PROGR INDEX again or ◔.
You can also select PROGR INDEX or PIP : OFF from the PIP menu, and press ENTER to restore the normal screen.

**To view multiple programs on the nine sub screens using the menu**

**1 Press MENU.**

**2 Press ↑ or ↓ to move the cursor (▶) to the PIP menu (▭), and press ENTER.**

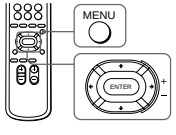



**3 Make sure the cursor (▶) appears beside PROGR INDEX, and press ENTER.**

**Notes**
- You can change the position of the nine sub screens using the PIP menu (see "Changing the position of the PIP screen" on page 27).
- You can hear the sound of the main screen when viewing multiple programs on the nine sub screens.
- You can use the number buttons on the remote commander to change the program position of the main screen when viewing multiple programs on the nine sub screens.

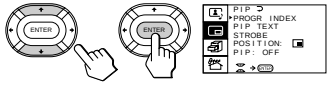
# Displaying frame-by-frame pictures (STROBE)

You can watch a slow motion movement of the main screen picture which is displayed frame-by-frame on the nine sub screens.

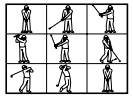



**1** **Press MENU.**

**2** **Press ↑ or ↓ to move the cursor (▶) to the PIP menu ( ), and press ENTER.**




**3** **Press ↑ or ↓ to move the cursor (▶) to STROBE, and press ENTER.**



**To restore the normal screen**

Select STROBE again or PIP : OFF from the PIP menu, and press ENTER.

You can also press □, ⏎/⏻, PROGR +/–, or ◔ to restore the normal screen.

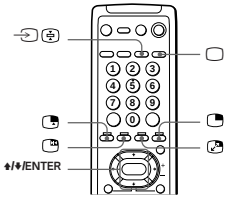
**Notes**

- You can change the position of the nine sub screens using the PIP menu (see "Changing the position of the PIP screen" on page 27).
- You can hear the normal sound when using the STROBE feature.



# Using the Picture-in-Picture (PIP) features

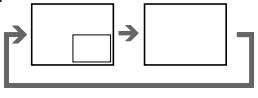
With the Picture-in-Picture (PIP) feature, you can display a sub screen within the main picture of different TV programs or video inputs.




## Displaying the PIP screen

You can display the PIP screen using the button on the remote commander or the menu.

**Press ◔.**



**Selecting a TV program or video input in the PIP screen**

To select a TV program, press ↑ or ↓, and press ENTER.

To select a video input, press ◔ on the remote commander or ⏎ on the TV.

**To display the PIP screen using the menu**

**1** **Press MENU.**

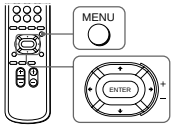
**2** **Press ↑ or ↓ to move the cursor (▶) to the PIP menu ( ), and press ENTER.**

**3** **Press ↑ or ↓ to move the cursor (▶) to PIP, and press ENTER.**

**4** **Press ↑/→/↓/← to select ON, and press ENTER.**

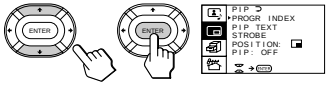
**5** **Press MENU to return to the normal screen.**

## Changing the position of the PIP screen



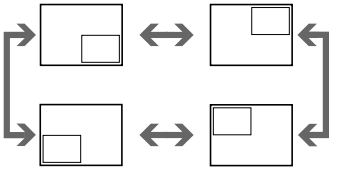

**1** **Press MENU.**

**2** **Press ↑ or ↓ to move the cursor (▶) to the PIP menu ( ), and press ENTER.**




**3** **Press ↑ or ↓ to move the cursor (▶) to POSITION, and press ENTER.**

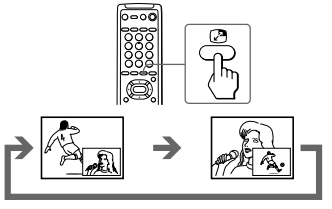
**4** **Press ↑/→/↓/← to select the position you want, and press ENTER.**



**5** **Press MENU to return to the normal screen.**

## Swapping pictures between the main and PIP screens

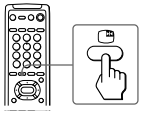
**Press ◔.**



## Freezing the PIP screen

**Press ◔.**

The PIP screen will freeze.



**To restore the normal screen**

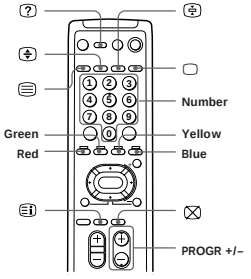
Press ◔ again.

**Notes**

- When you display a video input on the PIP screen at any speed other than the normal one, the picture may be disrupted, depending on the VCR.
- If you display different color systems on the main screen and the PIP screen, the size of the PIP screen may be different and the PIP picture may be disrupted. This does not indicate a malfunction of the TV.

# Viewing Teletext

TV stations broadcast an information service called Teletext via a TV channel.
Teletext service allows you to receive various information such as weather forecasts or news at any time.




## Displaying Teletext

**1 Select a TV channel that carries the Teletext broadcast you want to watch.**

**2 Press ▤ to display the Teletext.**
A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100" is displayed at the top left corner of the screen.

**To turn off Teletext**
Press ▢.

## Superimposing a Teletext page on the TV picture

**Press ▤.**
Each time you press ▤, the screen changes as follows:

→ Teletext → Teletext and TV → TV →

## Checking the contents of a Teletext service (INDEX)

**Press ▤ to display an overview of the Teletext contents and page numbers.**

## Using FASTEXT

This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcasted, the colored menus appear at the bottom of the screen. The colors of the menus correspond to the red (■), green (■), yellow (■), and blue (■) colored-coded buttons on the remote commander.

**To access a FASTEXT menu**
Press the color-coded button on the remote commander that corresponds to the colored menu which appears at the bottom of the screen. The menu page appears on the screen after several seconds.

## Selecting a Teletext page

**Press the number buttons to enter the three-digit page number of the Teletext page you want.**
If you make a mistake, re-enter the correct page number.

**To access the next or previous page**
Press PROGR +/–.

You can also access a Teletext page of any page numbers that appear in the colored column at the bottom of the screen using the corresponding color-coded button on the remote commander.

## Holding a Teletext page (HOLD)

A Teletext page may consist of several subpages. You can stop the page scrolling in order to read the text at your own pace.

**Press ⊕.**
The HOLD symbol "⊕" appears at the top left corner of the screen.

**To resume normal Teletext operation**
Press ⊕ again or ▤.

## Revealing concealed information (REVEAL)

The REVEAL option lets you disclose concealed information, such as an answer to a quiz that you find on some of the Teletext pages.

**Press ?.**

**To conceal the information**
Press ? again.

## Enlarging the Teletext display (ENLARGE)

**Press ⊕.**
Each time you press ⊕, the Teletext display changes as follows:

→ Enlarge upper half → Enlarge lower half →
Normal size ←

## Waiting for a Teletext page while watching a TV program (TEXT CLEAR)

**1 Enter the page number of the Teletext that you want to refer to, then press ⊠.**

**2 When the page number is displayed on the screen, press ▤ to turn on the Teletext.**

# Displaying Teletext on the PIP screen (PIP TEXT)

The PIP TEXT feature enables you to display a Teletext page on the PIP screen while watching a TV program.

You can display the Teletext on the PIP screen using the button on the remote commander or the menu.

**1 Select a TV channel that carries the Teletext broadcast you want to watch.**

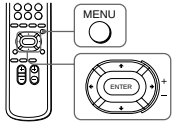
**2 Press PIP TEXT.**

**To restore the normal screen**

Press PIP TEXT again, or press ▭, ⊖⊕, or PROGR +/–.

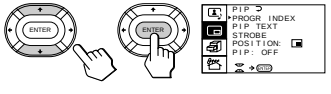
You can also select PIP : OFF from the PIP menu, and press ENTER to restore the normal screen.

**To display a Teletext page on the PIP screen using the menu**




**1 Press MENU.**

**2 Press ↑ or ↓ to move the cursor (▶) to the PIP menu ( ▭) , and press ENTER.**




**3 Press ↑ or ↓ to move the cursor (▶) to PIP TEXT, and press ENTER.**

**4 Press ↑/→/↓/← to select the Teletext page you want to watch.**

**Notes**

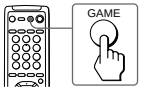
- You can also use the color-coded buttons (see page 28) while displaying a Teletext page on the PIP screen.
- To select a Teletext page on the PIP screen, press ↑/→/↓/← once only.
  If you press ↑/→/↓/← continuously, the Teletext page numbers also change continuously at a fast speed.
- You can change the position of a Teletext page on the PIP screen using the PIP menu (see "Changing the position of the PIP screen" on page 27).

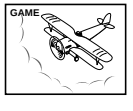
# Viewing a video game screen (GAME MODE)

The GAME MODE feature optimizes the video game screen by giving a soft picture and dynamic sound effect.

You can display a video game screen using the button on the remote commander or the menu.

**Press GAME.**



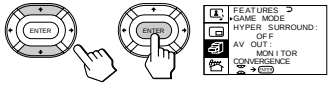




The picture and sound change to the mode that is suitable for video games.

**To view a video game screen using the menu**

**1 Press MENU.**

**2 Press ↑ or ↓ to move the cursor (▶) to the FEATURES menu (▭), and press ENTER.**




**3 Make sure the cursor (▶) appears beside GAME MODE, and press ENTER.**

**To restore the normal picture and sound modes**

Press ▭, ⊖⊕, or PROGR +/–.

**Notes**

- If you press the GAME button when the TV is in the standby mode, the TV turns on automatically and the picture and sound change to the mode that is suitable for video games.
- To display a video game screen, connect the video game equipment to the ⊖ 3 (video input) jacks at the front or the rear of the TV.

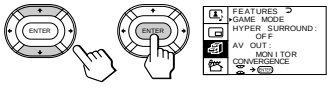
# Customizing the TV

## Using the AV OUT (advanced rec-out) terminal

You can select the output signal from the ⇨ (monitor/TV output) jacks at the rear of the TV. However, the signals of the PROGRAM INDEX, STROBE, PIP modes, the signals from the ⇦ (component video input) jacks, and the Teletext broadcast cannot be output even though MONITOR is selected.

**1 Press MENU.**

**2 Press ↑ or ↓ to move the cursor (▶) to the FEATURES menu (), and press ENTER.**




**3 Press ↑ or ↓ to move the cursor (▶) to AV OUT, and press ENTER.**

**4 Press ↑/→/↓/← to select the output signal, and press ENTER.**

| Select | To |
|---|---|
| TV | Output the signal of the TV broadcast. |
| MONITOR | Output the signal of the picture you are watching as a main picture. |

**Notes**

- Do not change the channel while recording with a VCR through the ⇨ (monitor/TV output) jacks. If you change the channel, it also changes the channel you are recording.
- When the signals from the ⇦ (component video input) jacks are displayed on the main screen, the signals can't be output even though MONITOR is selected.





# Troubleshooting

If you have any problems, read this manual again and check the countermeasure for each of the symptoms listed below.
If the problem persists, contact your nearest Sony dealer or authorized service center.

**Snowy picture**
**Noisy sound**

➡Check the antenna.
➡Check the antenna connection on the TV and on the wall.
➡Check the TV system (TV SYS) setting.
➡Check the ATT (attenuator) setting.

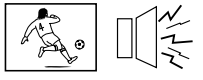
**Dotted lines or stripes**

➡This may be caused by local interference (e.g. cars, neon signs, hair dryers, etc.). Adjust the antenna for minimum interference.

**Double images or "ghosts"**

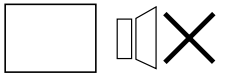
➡This may be caused by reflections from nearby mountains or buildings. A highly directional antenna may improve the picture.

**Good picture**
**Noisy sound**



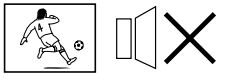
➡Check the TV system (TV SYS) setting.

**No picture**
**No sound**



➡Press ⏻.
➡Press ① to turn off the TV for about five seconds and then turn it on again.
➡Check the power cord connection.
➡Check the antenna connection.
➡Check the VCR connections.

**Good picture**
**No sound**



➡Press 🔊+.
➡If "CENTER IN" is displayed on the screen, select "SPEAKER: MAIN" of the AUDIO ADJUST menu.
➡Press 🔇.
➡Press A/B⇳.

**No color**

➡Adjust the COLOR level in the VIDEO ADJUST menu of the PERSONAL option.
➡Check the color system (COL SYS) setting.

**TV cannot receive stereo broadcast signal**

➡Press A/B⇳ until "AUTO" appears on the screen.

**TV cabinet creaks**

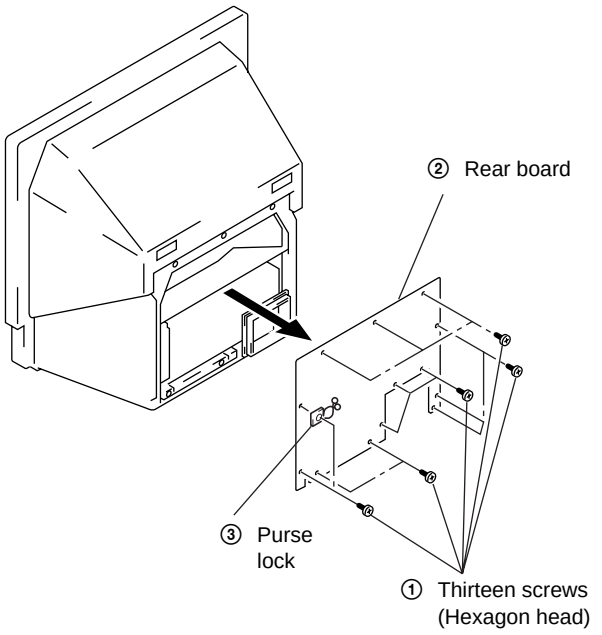
➡Even if the picture or the sound is normal, changes in the room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.

# MEMO

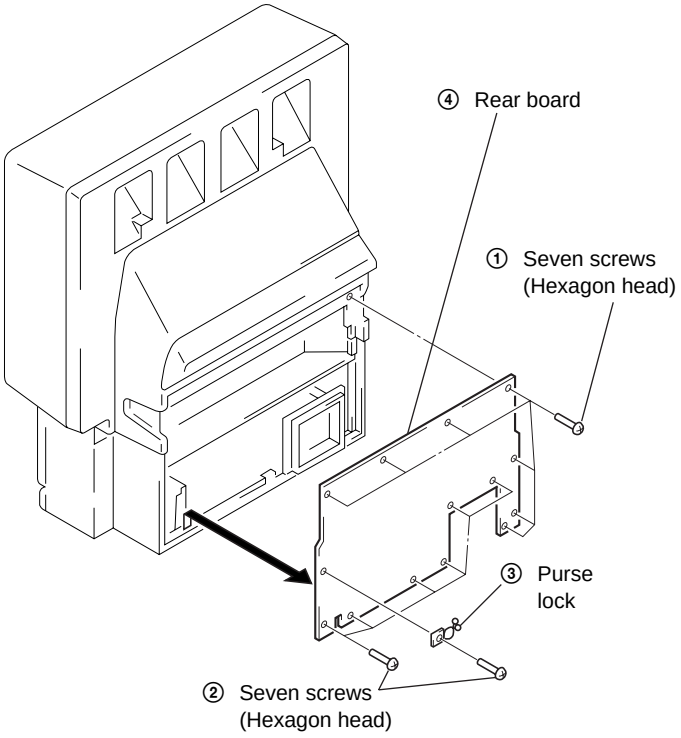
# SECTION 2
# DISASSEMBLY

## 2-1. REAR BOARD REMOVAL

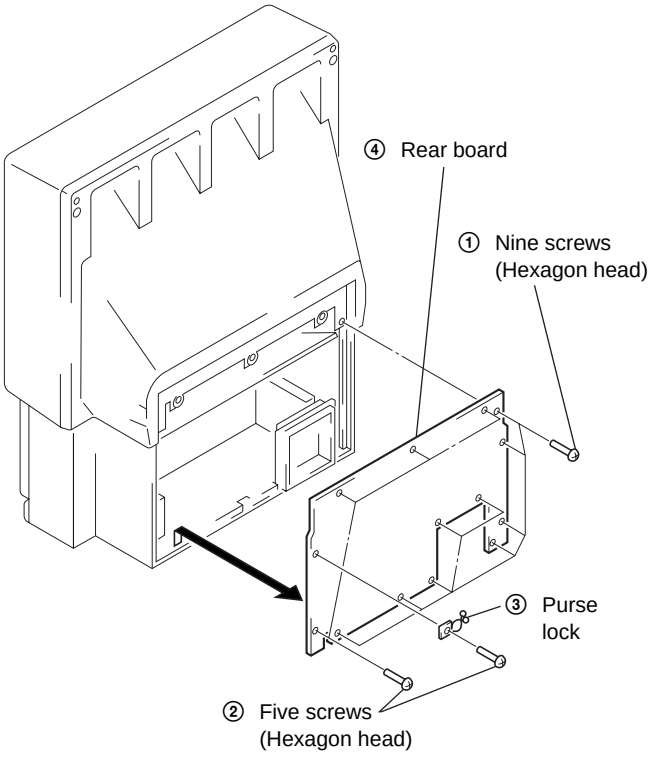
**• KP-EF41**




**• KP-EF53**

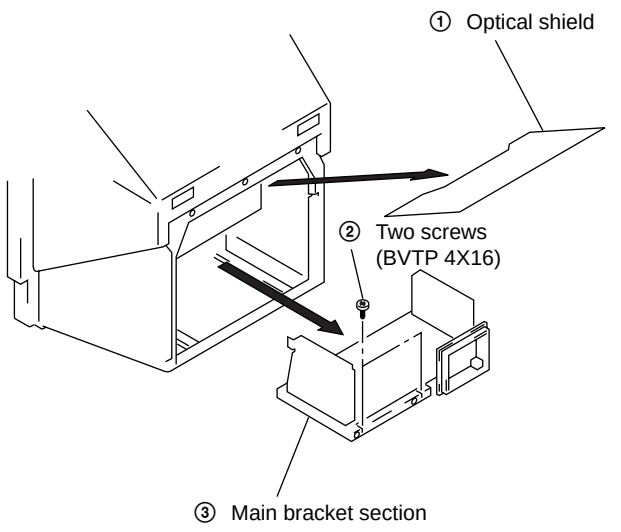



**• KP-EF48**

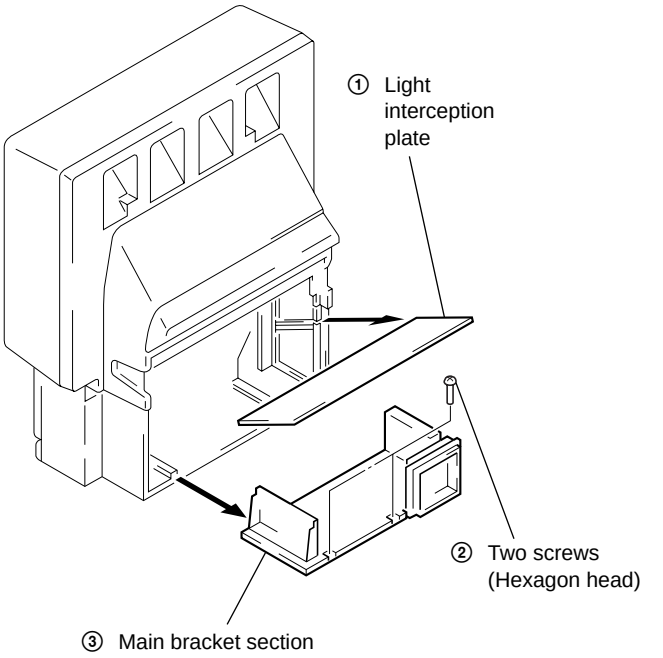


## 2-2. MAIN BRACKET SECTION REMOVAL

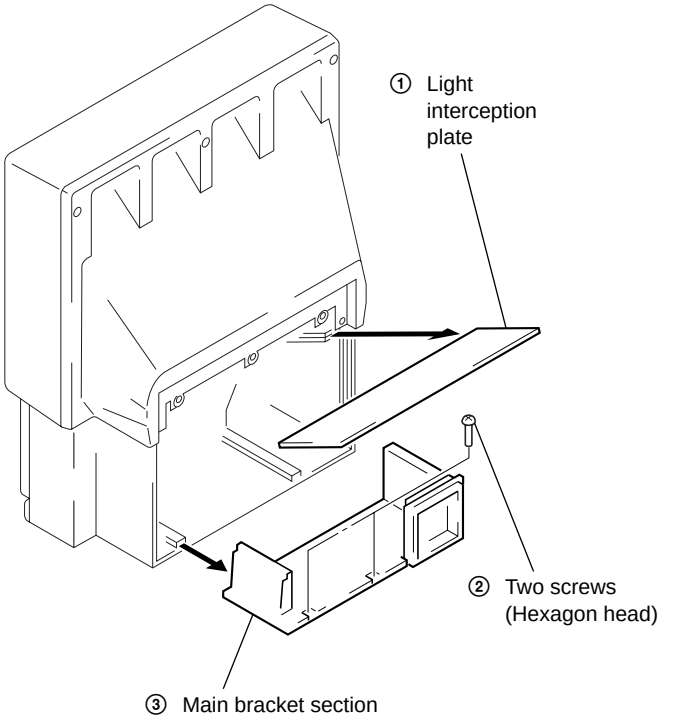
• **KP-EF41**




• **KP-EF53**

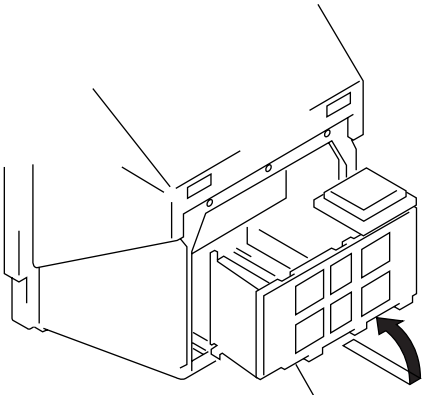



• **KP-EF48**

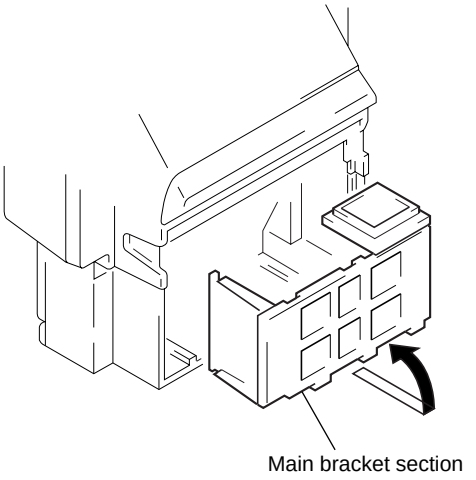


## 2-3. SERVICE POSITION

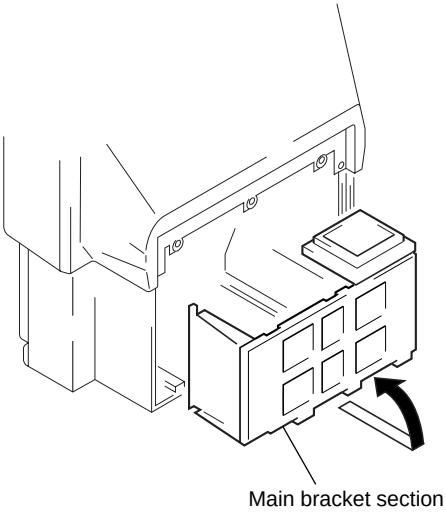
**• KP-EF41**




**• KP-EF53**

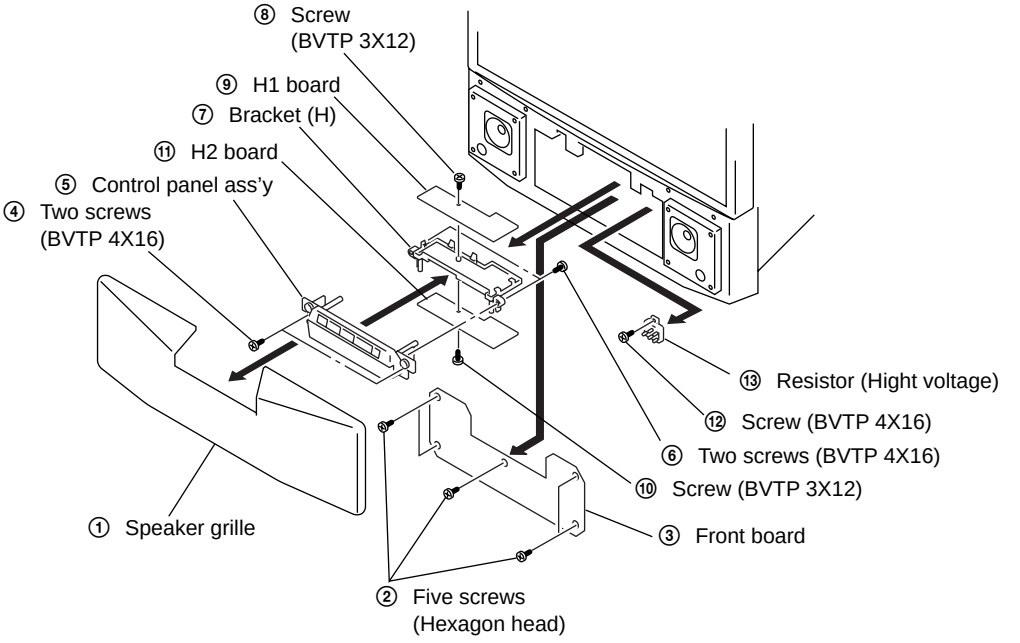



**• KP-EF48**

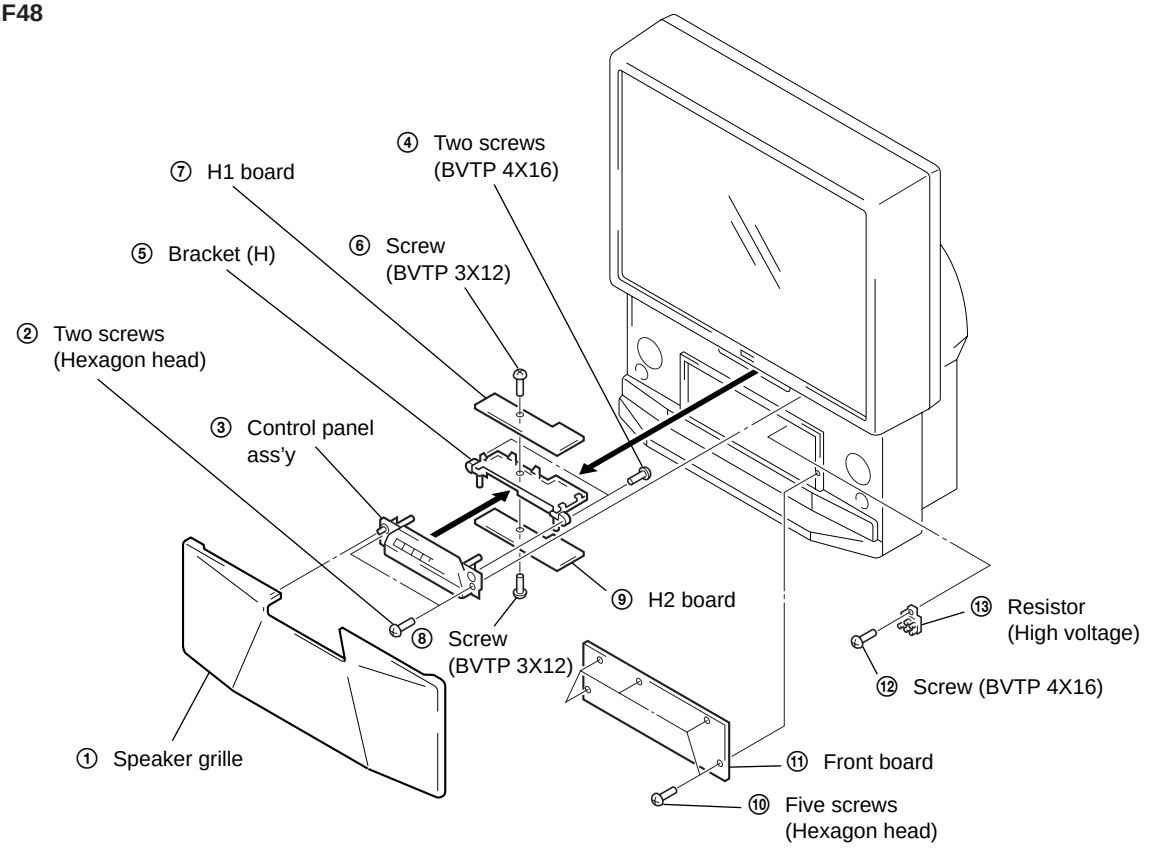


## 2-4. H1 BOARD, H2 BOARD AND RESISTOR (HIGH VOLTAGE) REMOVAL

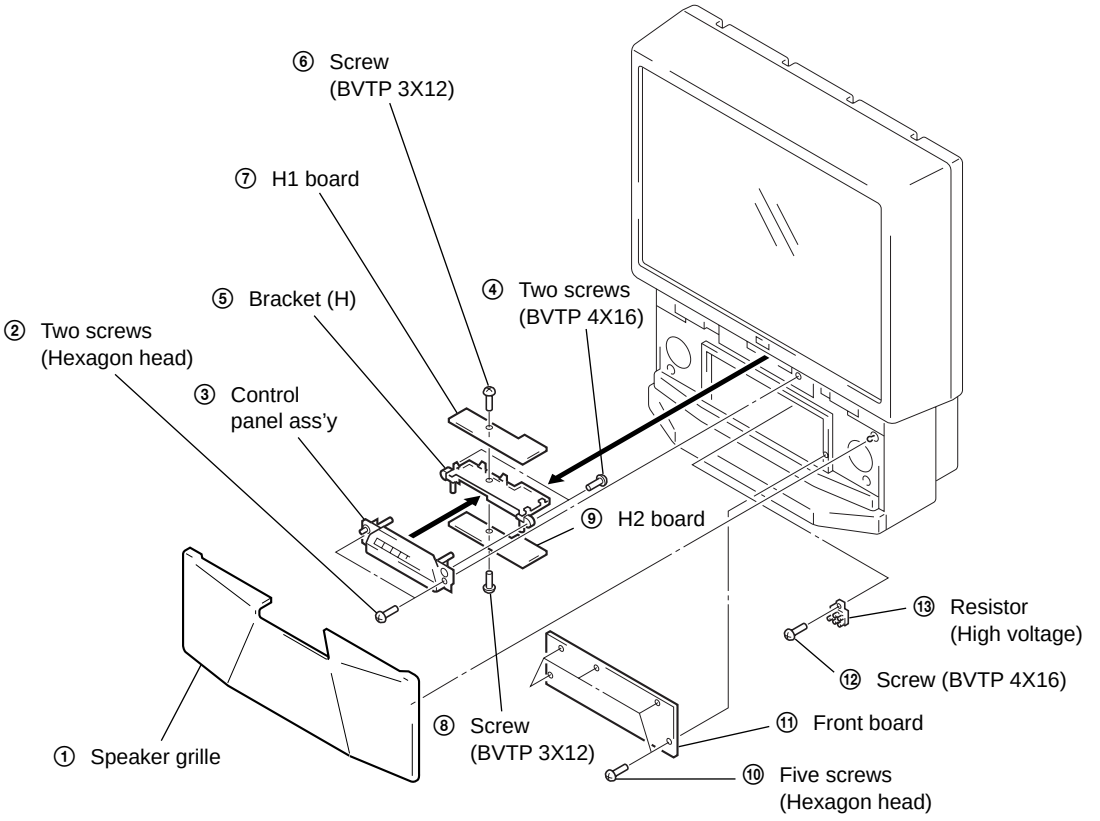
**• KP-EF41**




**• KP-EF48**

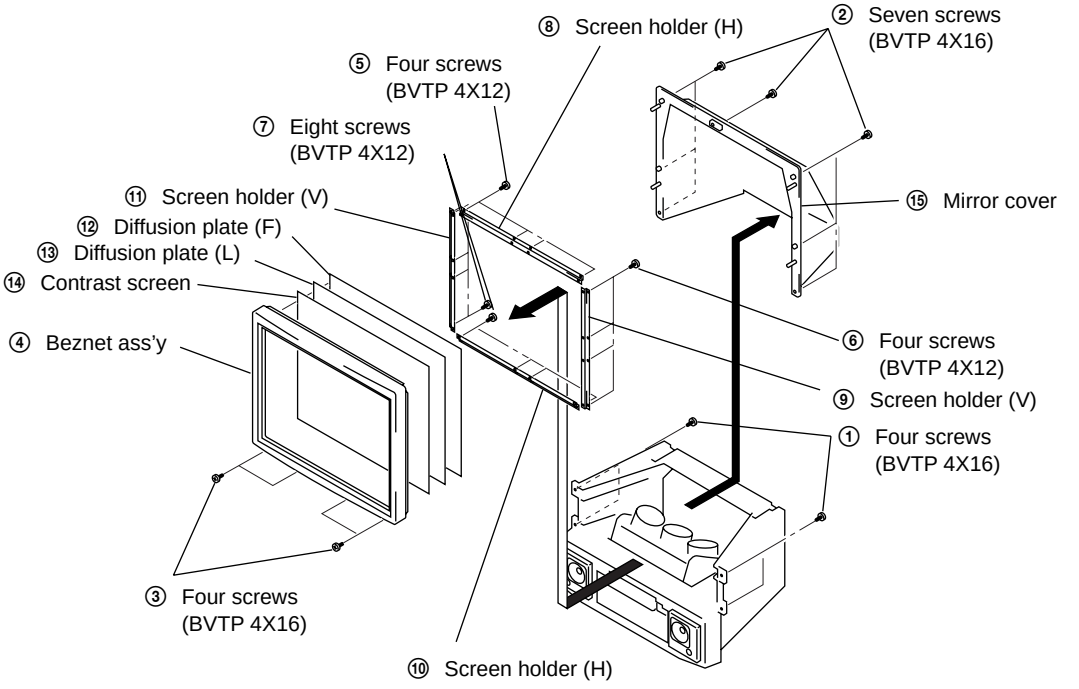


• **KP-EF53**

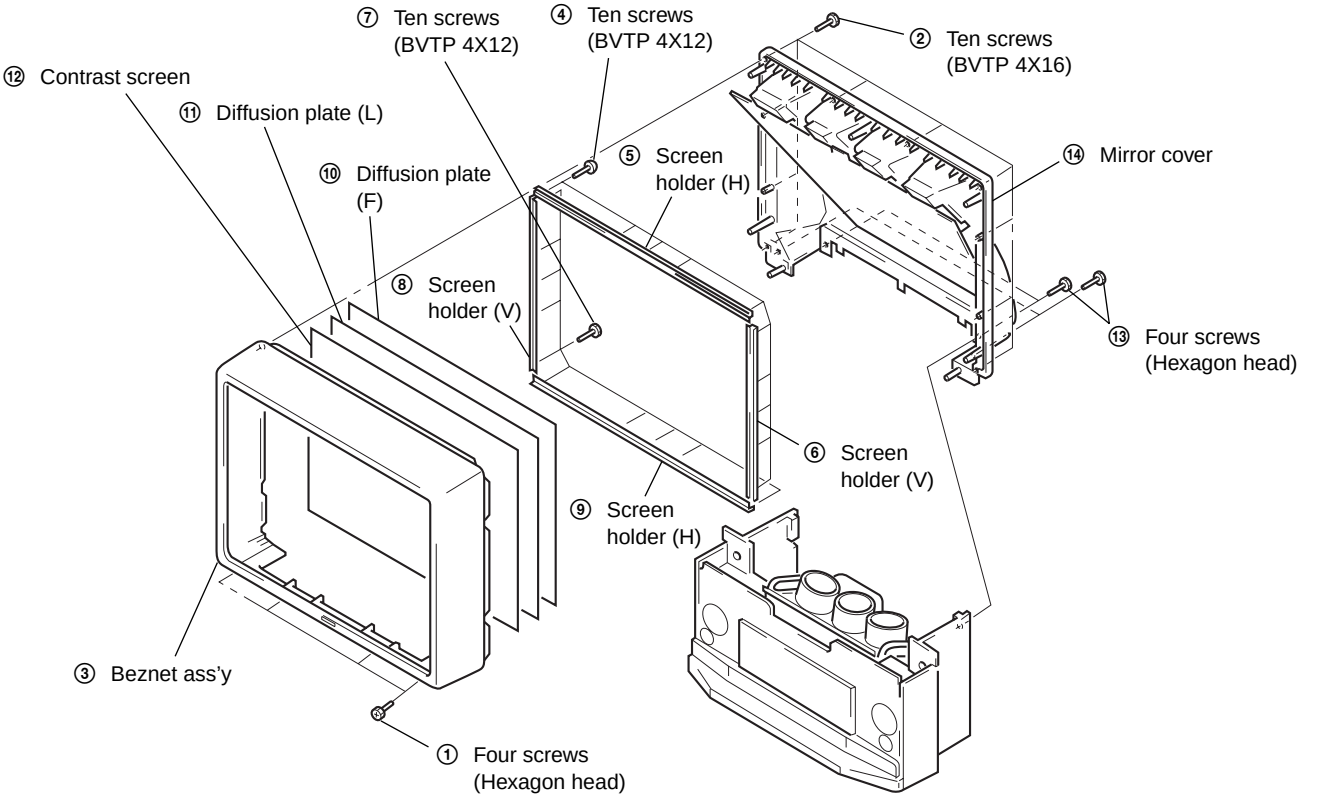

⑥ Screw
(BVTP 3X12)
⑦ H1 board
⑤ Bracket (H)
④ Two screws
(BVTP 4X16)
② Two screws
(Hexagon head)
③ Control
panel ass'y
⑨ H2 board
⑬ Resistor
(High voltage)
⑫ Screw (BVTP 4X16)
⑧ Screw
(BVTP 3X12)
⑪ Front board
① Speaker grille
⑩ Five screws
(Hexagon head)

## 2-5. BEZNET SECTION REMOVAL

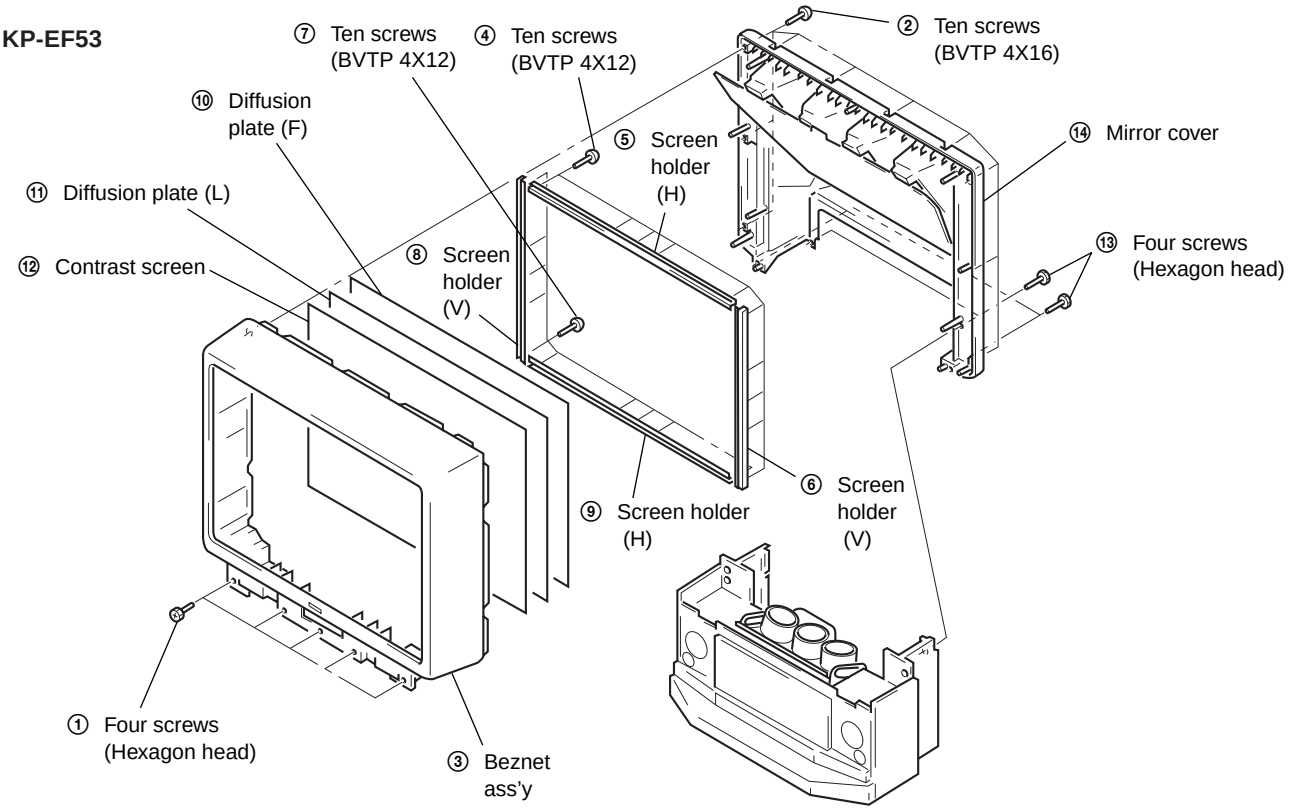
**• KP-EF41**


⑧ Screen holder (H)
② Seven screws (BVTP 4X16)
⑤ Four screws (BVTP 4X12)
⑦ Eight screws (BVTP 4X12)
⑪ Screen holder (V)
⑮ Mirror cover
⑫ Diffusion plate (F)
⑬ Diffusion plate (L)
⑭ Contrast screen
④ Beznet ass'y
⑥ Four screws (BVTP 4X12)
⑨ Screen holder (V)
① Four screws (BVTP 4X16)
③ Four screws (BVTP 4X16)
⑩ Screen holder (H)

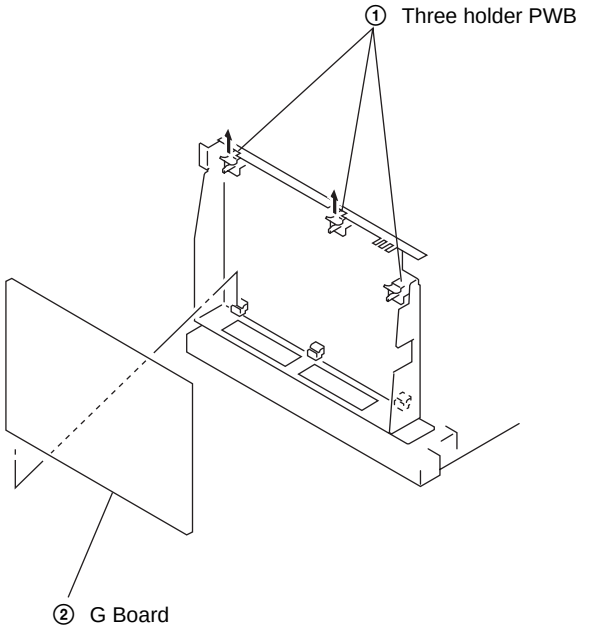
**• KP-EF48**


⑦ Ten screws (BVTP 4X12)
④ Ten screws (BVTP 4X12)
② Ten screws (BVTP 4X16)
⑫ Contrast screen
⑪ Diffusion plate (L)
⑤ Screen holder (H)
⑭ Mirror cover
⑩ Diffusion plate (F)
⑧ Screen holder (V)
⑬ Four screws (Hexagon head)
⑥ Screen holder (V)
⑨ Screen holder (H)
③ Beznet ass'y
① Four screws (Hexagon head)

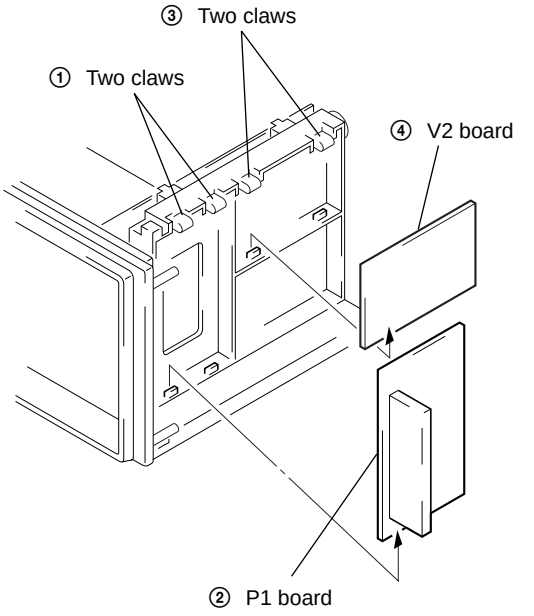
• **KP-EF53**


⑦ Ten screws (BVTP 4X12)
④ Ten screws (BVTP 4X12)
② Ten screws (BVTP 4X16)
⑩ Diffusion plate (F)
⑤ Screen holder (H)
⑭ Mirror cover
⑪ Diffusion plate (L)
⑫ Contrast screen
⑧ Screen holder (V)
⑬ Four screws (Hexagon head)
⑥ Screen holder (V)
⑨ Screen holder (H)
① Four screws (Hexagon head)
③ Beznet ass'y

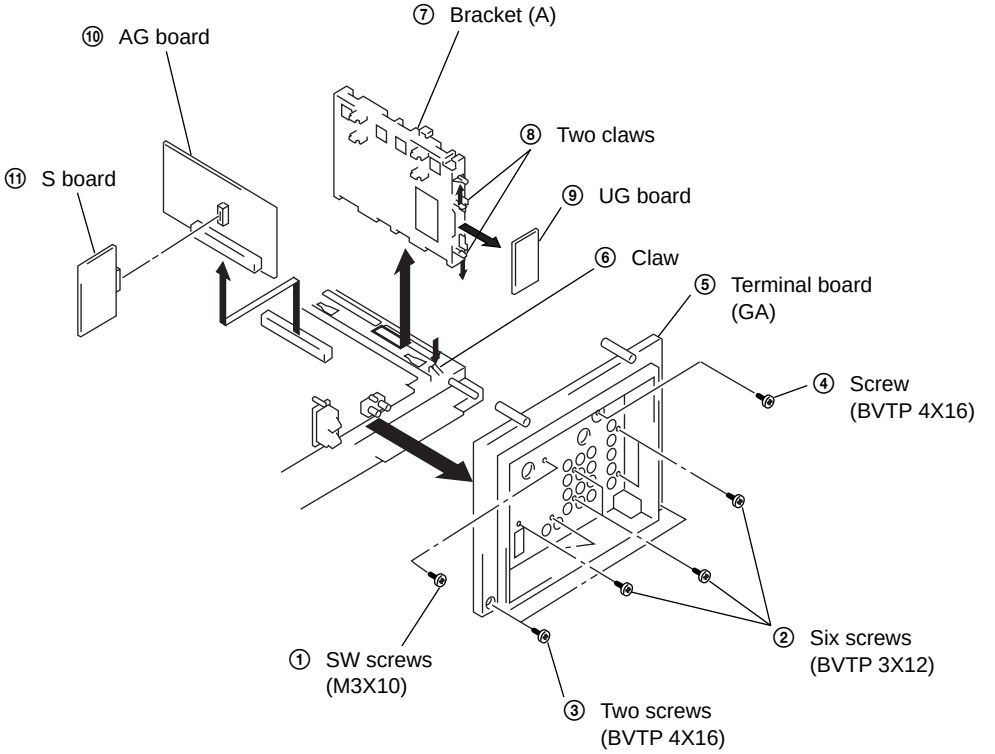
## 2-6. G BOARD REMOVAL




## 2-7. P1 BOARD AND V2 BOARD REMOVAL

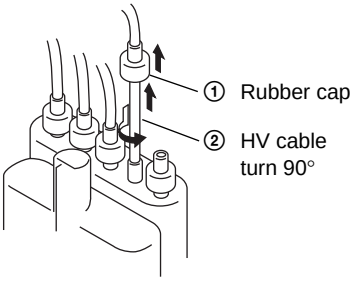



## 2-8. UG BOARD, AG BOARD AND S BOARD REMOVAL

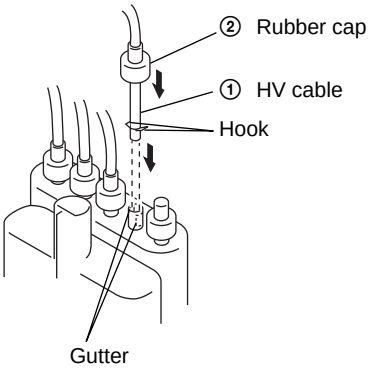


## 2-9. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

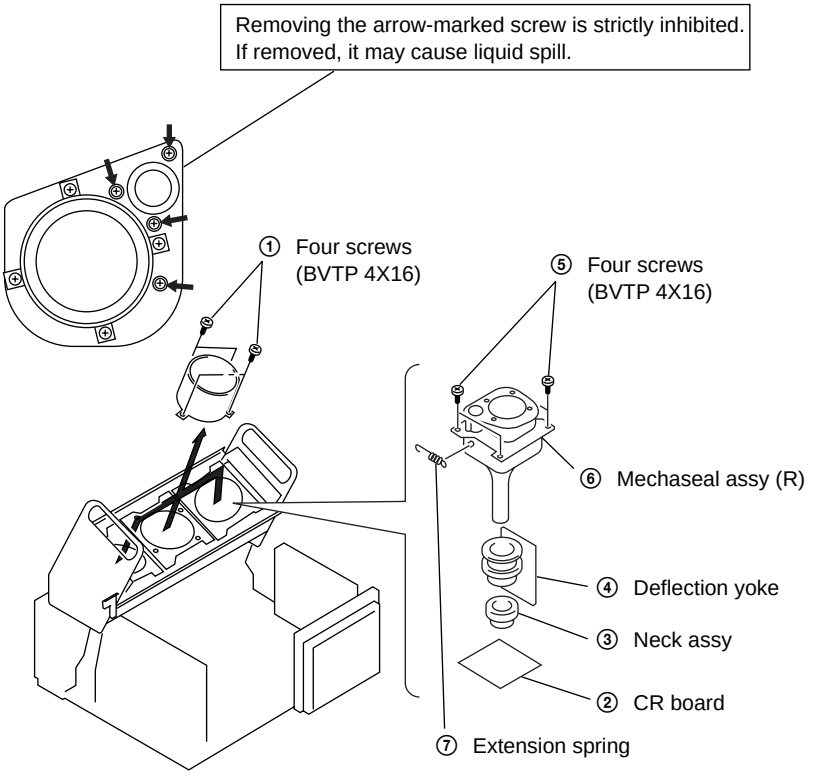
(1) Remover




(2) Installation



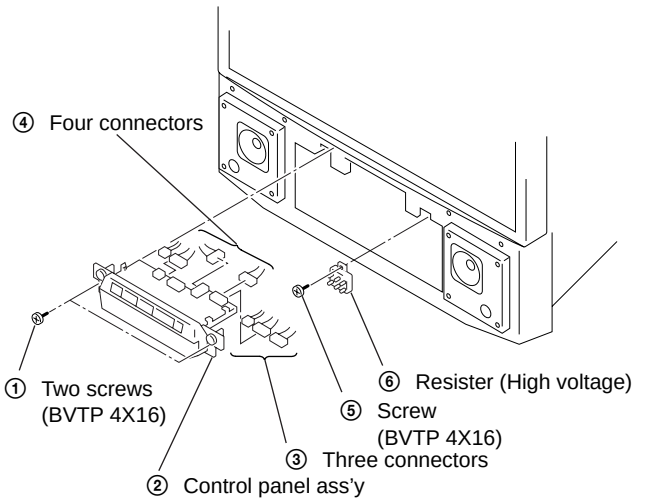

## 2-10. MECHASEL ASSY REMOVAL



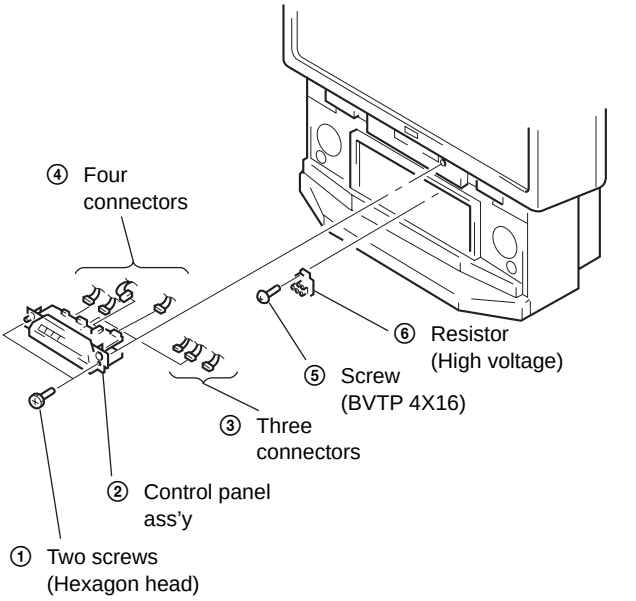
## 2-11. CHASSIS BLOCK REMOVAL

### (1) H1, H2 BOARDS AND RESISTOR REMOVAL

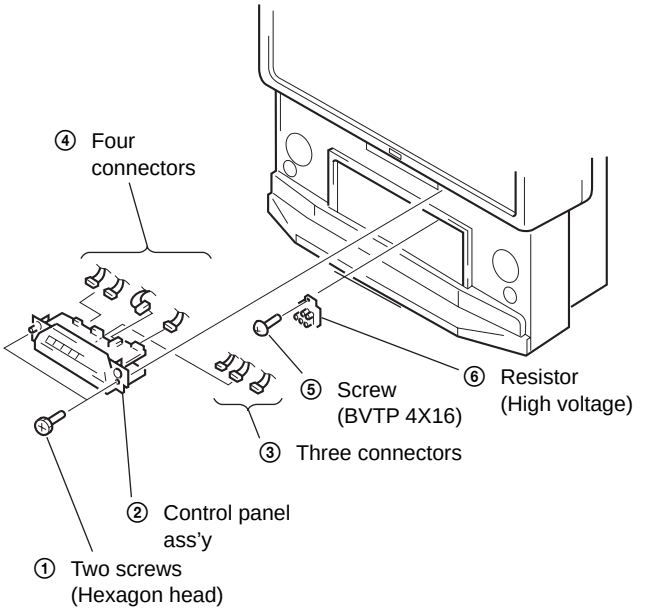
**• KP-EF41**




**• KP-EF53**



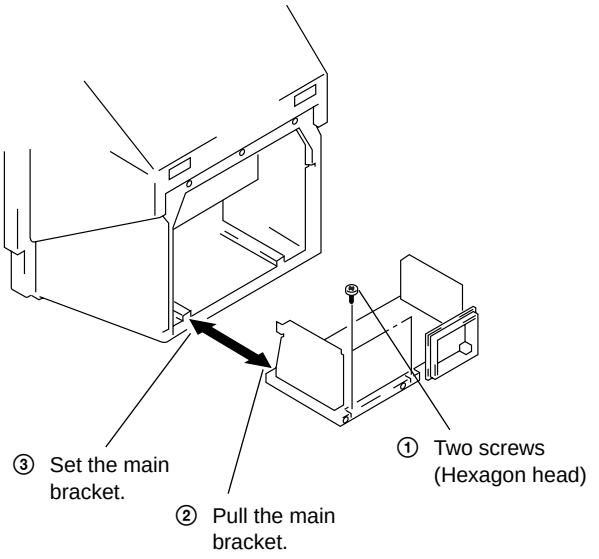

**• KP-EF48**



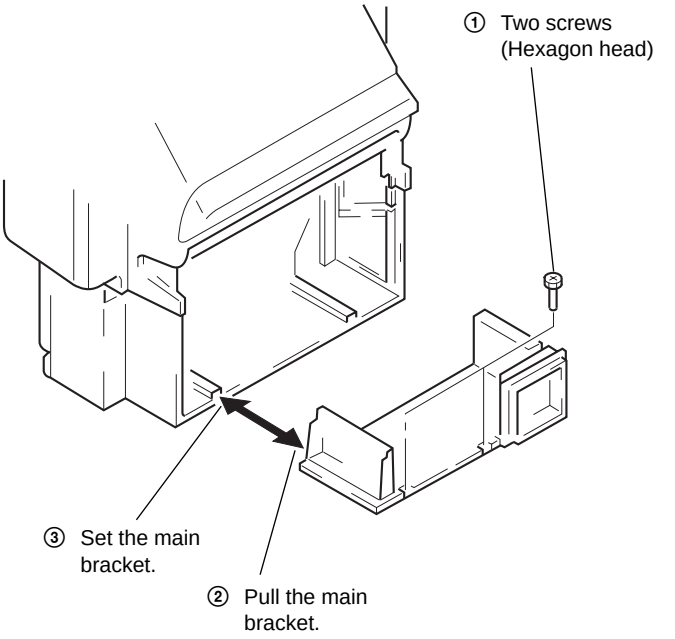
### (2) MAIN BRACKET REMOVAL

* Pay particular attention to the wires of each PCB when puling out the main bracket.

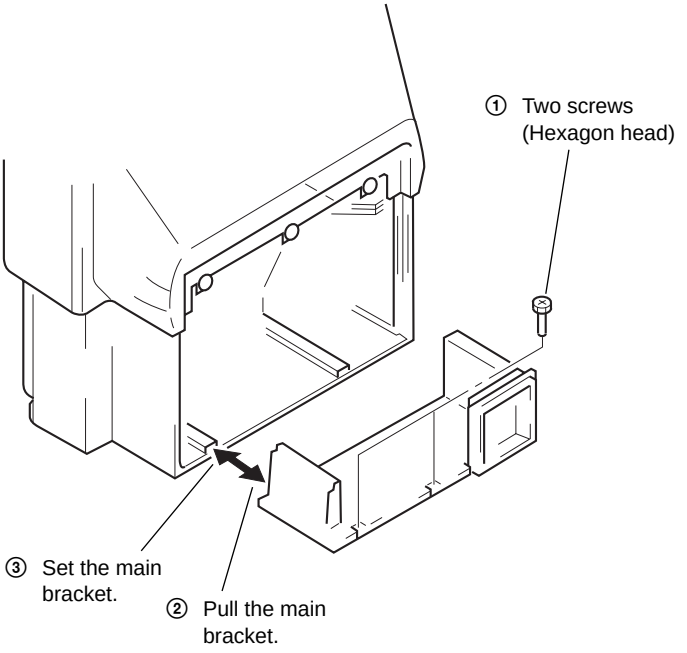
**• KP-EF41**




**• KP-EF53**



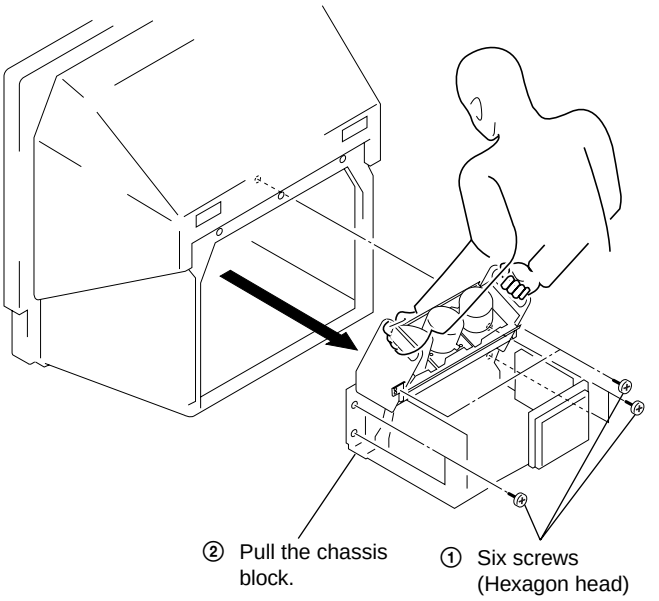

**• KP-EF48**



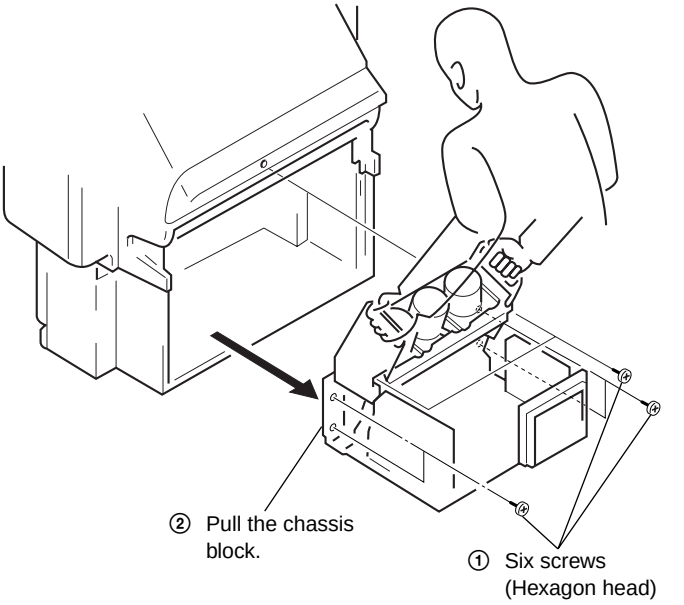
### (3) CHASSIS BLOCK REMOVAL

* Pull out the chassis block by gripping the handles as shown in the diagram.
  At this time, pay particular attention to the components removed in (1).

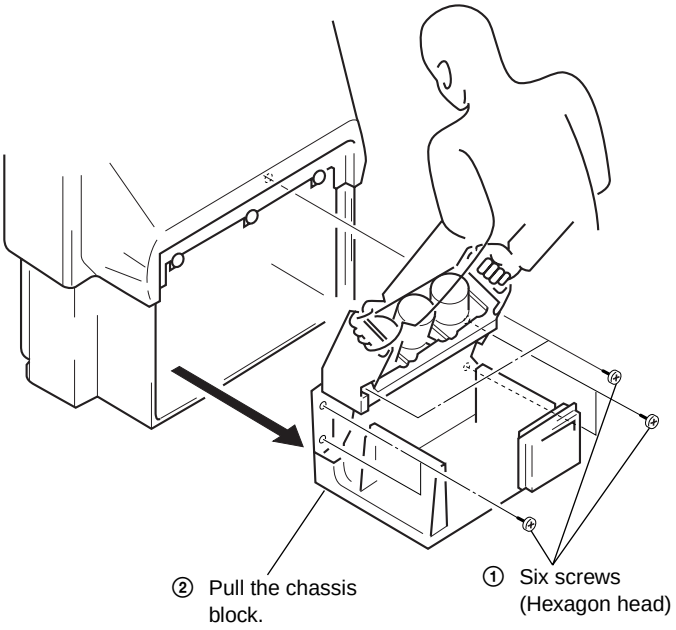
**• KP-EF41**




**• KP-EF53**



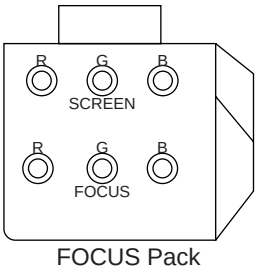

**• KP-EF48**



# SECTION 3
# SET-UP ADJUSTMENTS

## 3-1. SCREEN VOLTAGE ADJUSTMENT (ROUGH ALIGNMENT)

1. Receive the Monoscope signal.
2. Set 50% BRIGHTNESS and minimum PICTURE.
3. Turn the red VR on the FOCUS Pack all the way to the left and then gradually turn it to the right until the point where you can see the retrace line.
4. Next gradually turn it to the left to the position where the retrace line disappears.



FOCUS Pack

**Fig. 3-1**

## 3-2. FOCUS ADJUSTMENT

1. Loose the lens screw.
2. Set in service mode.
3. Place the caps on the red and blue lens so that only the green color is shown.
4. Press the Commander button and select OSD (CHSW) to display the test signal (crosshatch) on the screen.
5. Rotate the green lens and align with the optimal focus point from the test signal.
6. Rotate the green VR on the FOCUS Pack and align to obtain the optimal focus point.
7. Perform the same alignment for red and blue lenses and electric focus.
8. Fix lens screw.

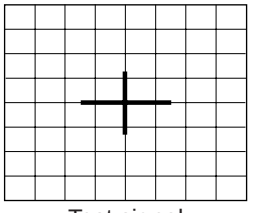

Test signal

**Fig. 3-2**

## 3-3. SCREEN (G2) ADJUSTMENT

1. Connect JIG (A) to 200 V and GND.
2. Select VIDEO mode without signals.
3. Connect JIG to the TP701(KR), TP731(KG) or TP761(KB) of CR board, CG board and CB board.
4. Adjust R, G and B screen voltage to until retrace line disappears with screen VR on the focusblock.

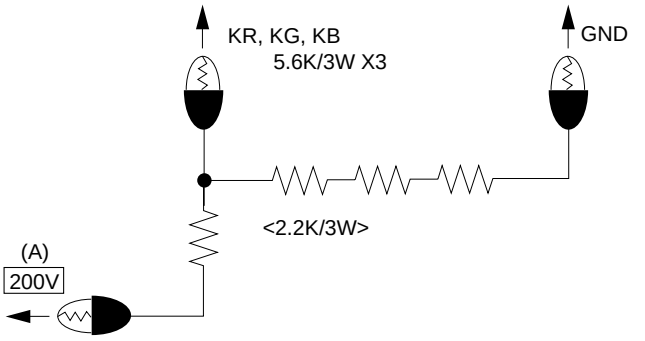



**Fig. 3-3**

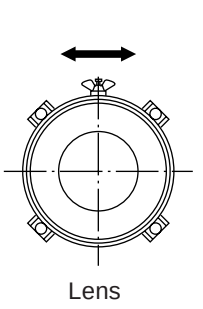

Lens

**Fig. 3-4**

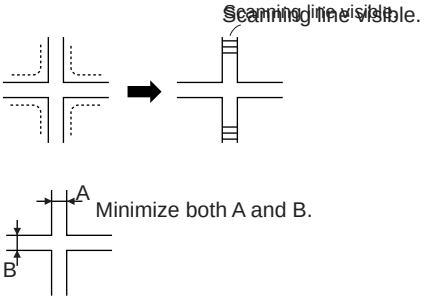



**Fig. 3-5**

## 3-4. DEFLECTION YOKE TILT ADJUSTMENT

1. Set to receive the Monoscope signal.
2. Set in service mode.
3. Place the caps on the red and blue lens so that only the green color.
4. Loosen the deflection yoke setscrew and align the tilt of the Deflection Yoke so that the bars at the center of the monoscope pattern are horizontal.
5. After aligning the deflection yoke, fasten it securely to the funnel-shaped portion (neck) of the CRT.
6. The tilt of the deflection yoke for red and Blue is aligned the same as was done for green.

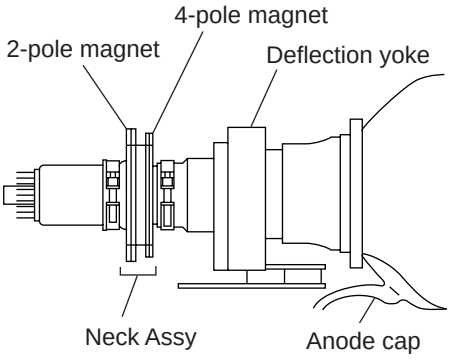



**Fig. 3-6**

### 3-5. 2-POLE MAGNET ADJUSTMENT

1. Set in service mode.
2. Set to receive the Dot signal.
3. Place the caps on the red and blue lens so that only the green color is shown.
4. Turn the green VR on the focus block to the right and set to overfocus to enlarge the spot.
5. Now align the 2-Pole Magnet so that the enlarged spot is in the center of the Just Focus spot.
6. Align the green focus VR and set for just (precise) focus.
7. Perform the same alignment for red and blue.

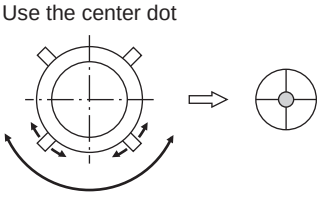



**Fig. 3-7**

### 3-6. 4-POLE MAGNET ADJUSTMENT

1. Set in service mode.
2. Set to receive the Dot signal.
3. Place the caps on the red and blue lens so that only the green color is shown.
4. Turn the green VR on the focus block to the left and set to underfocus to enlarge the spot.
5. Now align the 4-Pole Magnet so that the enlarged spot becomes a perfect circle.
6. Perform the same alignment for red and blue.

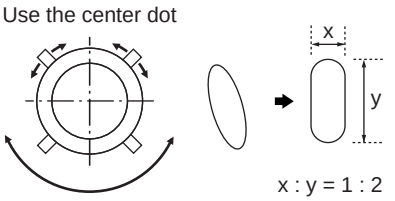
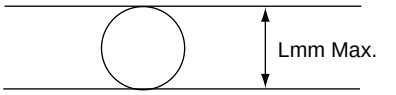



**Fig. 3-8**

### 3-7. DEFOCUS ADJUSTMENT (Blue)

1. Receive the Dot signal.
2. Place the caps on the red and green lens so that only the blue color is shown.
3. Rotate the blue focus volume on the focus pack and adjust to obtain best electrical focus.
4. Rotate Blue focus volume of focus pack clocwise, so that diameter of the Dot see Caution.

**[Change Blue Defocus]**




| Inch | 41" | 48" | 53" |
|---|---|---|---|
| L | 7 | 8 | 9 |

**Fig. 3-10**

### 3-8. GREEN AND RED FOCUS ADJUSTMENT

#### 3-8-1. Green and Red Lens Focus Adjustment

1) Input a monoscope signal.
2) Place a lens cover over Red and Blue lenses and project only Green.
3) Rotate the Green lens and ajust to obtain the best lens focus.
4) Fix lens screw.
5) Repeat above process for Red.

#### 3-8-2. Green and Red Electrical Focus Adjustment

1) Input a monoscope signal.
2) Project only Green.
3) Rotate the green focus volume on the focus pack and adjust to obtain an optimal electrical focus in the top right corner, taking care of center focus is not NG. obtain a compromise between center and corner focus.
4) Repeat above process for Red.

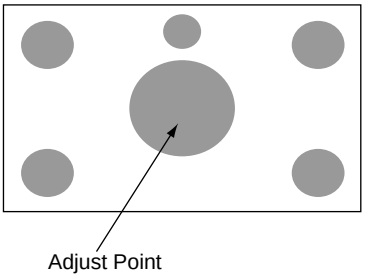



**Fig. 3-11**

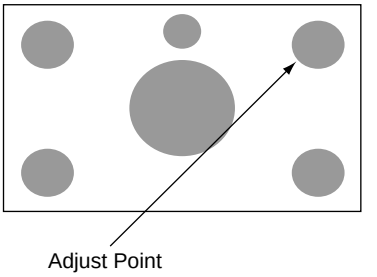



**Fig. 3-12**

# SECTION 4
# SAFETY RELATED ADJUSTMENT

When replacing the following components marked with ◪ on the schematic diagram, always check hold-down voltage and if necessary re-adjust.

| Part Replaced (⋈) |
|---|
| R1 |

| Part Replaced (◪) | |
|---|---|
| E Board | C515, C516, C554, D504, D507, L506, Q502, R1, R514, R516, R517, T502, T504 (FBT) |
| G Board | IC6008 |

## 4-1. HV HOLD-DOWN ADJUSTMENT

1. Remove CN810. Connect HV meter to HV Block.
2. Connect External Power Supply to CN810 ② pin (+135V) and ① pin (GND).

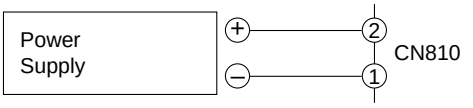



*Fig. 4-1*

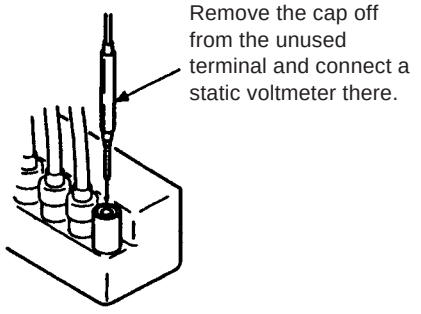



*Fig. 4-2*

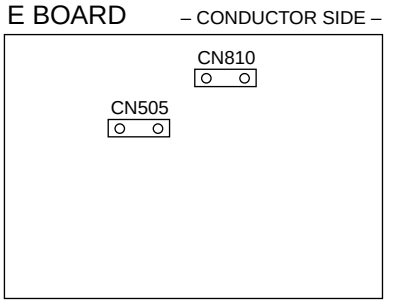



*Fig. 4-3*

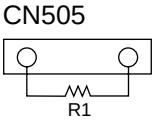



*Fig. 4-4*

3. Turn on the set.
4. Slowly up the supply voltage from 0V to 135V.
5. Receive dot picture and set PICTURE/BRIGHTNESS to minimum.
6. Slowly up the voltage until hold-down circuit works (picture disappear).
7. Read the HV meter of peak HV voltage.
   Spec: 34.5±0.75KV
8. If Hold-down voltage is less than 33.75KV then solder R1=820K.
9. If hold-down voltage is over than 35.25KV then take-off R514 and solder R1=9.1K.

# SECTION 5
# CIRCUIT ADJUSTMENTS

## 5-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-871 that comes with this unit.

**Entering service mode**

With the unit on standby

↓

[i+]

↓

[5]

↓

◿

↓

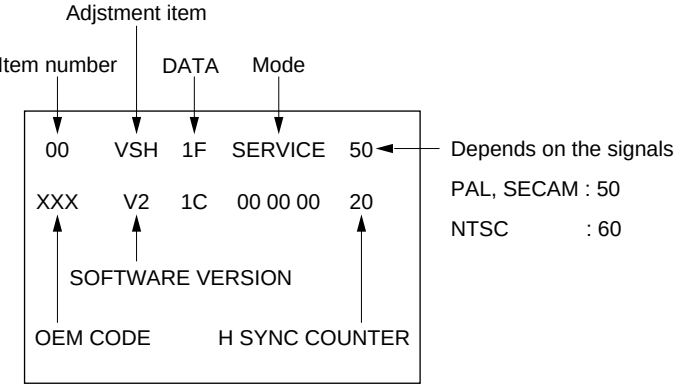
▢

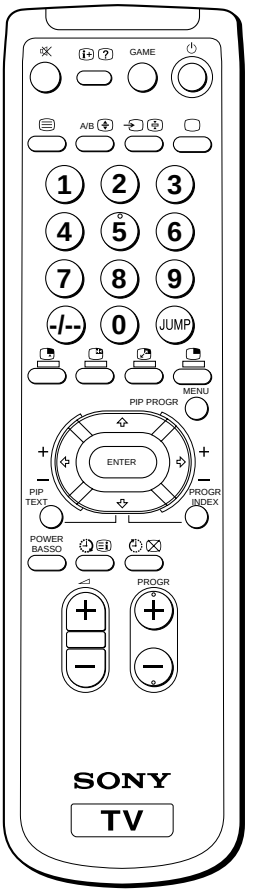
The operation sequence puts the unit into service mode.

| | |
|---|---|
| [1], [4] | Select the adjustment item. |
| ↓ | |
| [3], [6] | Raise/lower the data value. |
| ↓ | |
| [MUTING] | Writes. |
| ↓ | |
| [0] | Executes the writing. |

| | |
|---|---|
| [7], [0] | All the data becomes the values in memory. |
| [8], [0] | All user control goes to the standard state. |
| [5], [0] | Service data initialization (Be sure not to use usually.) |
| [i+], [0] | Write 50Hz adjustment data to 60Hz, or vice versa. (not to use [2], [0].) |

The screen display is :



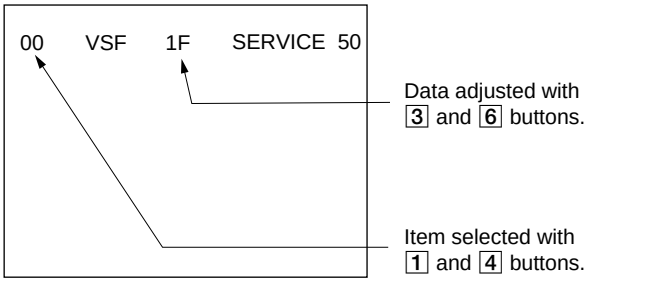

RM-871

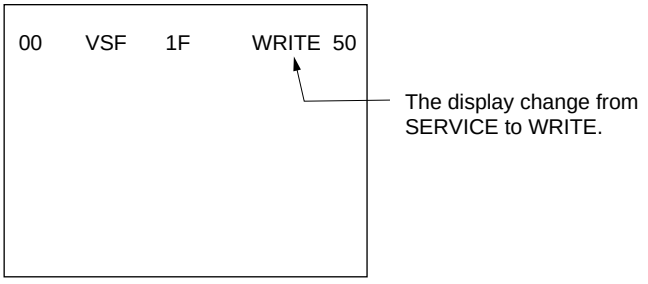
## 5-2. ADJUSTMENT METHOD

Item Number 00

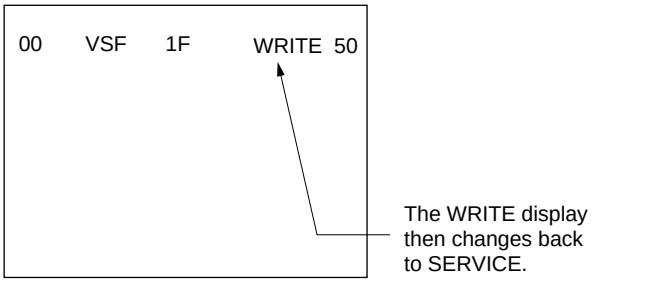
This explanation uses V-Position as an example.

1. Select 00 VSH with the [1] and [4] buttons.
2. Raise/lower the data with the [3] and [6] buttons.
3. Select the optimum state. (The standard is IF for PAL reception.)
4. Write with the [MUTING] button. (The display changes to WRITE.)
5. Execute the writing with the [0] button. (The WRITE display will be changed back to SERVICE.)




Written with [MUTING]




Write executed with [0]

Use the same method for Items Number 00-99. Use [1] and [4] to select the adjustment item, use [3] and [6] to adjust, write with [MUTING], then execute the write with [0].

- As for V-FREQ, by searching the bolded screen V range with adjusting data.

**Note** : 1. For adjustment Items that have differnt standard data between 50Hz or 60Hz and normal or wide, be sure to use the respective input signal while adjusting.
2. In [WRITE], the data for all items are written into memory.

## 5-3. ADJUSTMENT AFTER IC1001 and IC1702 REPLACEMENT

1. Enter to Service Mode.
2. Change IC1001 (Except for Registration Adjustment).
   Change IC1702 (Only Registration Adjustment).
3. Call each item number, and check if the respective screen shows the normal picture.
   In cases where items are not well adjusted, recitify the items with fine adjustment.
   Write the data per each item number ( [MUTING] + [0] )
4. Select item numbers “98” (OP0) and “99” (OP1) and respectively set the bit per model with command buttons [3] and [6].

**Adjustment Item Table**

| Item Display | Adj Item | Data Range | Std Values | Register Name | Device |
|---|---|---|---|---|---|
| 00 | VSH | 00~3F | 1B | V POSITION | CXA2050S |
| 01 | VSZ | 00~3F | 21 | V SIZE | |
| 02 | HSH | 00~0F | 07 | H POSITION | |
| 03 | HSZ | 00~3F | 12 | H SIZE | |
| 04 | SCR | 00~0F | 06 | S CORRECTION | |
| 05 | VLN | 00~0F | 08 | V LINEARITY | |
| 06 | PAP | 00~3F | OE | PIN COMP | |
| 07 | PPH | 00~0F | 05 | PIN PHASE | |
| 08 | UCP | 00~0F | 05 | UP CORNER PIN | |
| 09 | LCP | 00~0F | 05 | LOW CORNER PIN | |
| 0A | BOW | 00~0F | 05 | AFC-BOW | |
| 0B | ANG | 00~0F | 09 | AFC-ANGLE | |
| OSD0 | CHSW | 0,1 | 0 | Hatch Display (0: Disp Hatch, 1: No Disp) | CXP86213-002S |
| OSD1 | OSDH | 1-32 | 10 | OSD H POS | |
| OSD2 | OSDV | 1-32 | 10 | OSD V POS | |
| OSD3 | VMRK | 0,1 | 0 | V SIZE Mark | |
| SFT0 | SFTE | 0,1 | 1 | Shift Enable | |
| SFT1 | SFTF | 0 | 0 | Shift Fast | |
| GH0 | GSEL | 0,1 | 0 | OSD Select for GH, GV (0: G + R, 1: Green) | |
| GH1 | CENT | 0 | 0 | CENTER | |
| GH2 | SKEW | –127~+127 | 0 | SKEW | |
| GH3 | BOW | –127~+127 | 0 | BOW | |
| GH4 | 4bow | –127~+127 | 0 | 4th BOW | |
| GH5 | SIZE | –127~+127 | 0 | SIZE | |
| GH6 | LIN | –127~+127 | 0 | LINEARITY | |
| GH7 | MSIZ | –127~+127 | 0 | MID SIZE | |
| GH8 | MLIN | –127~+127 | 0 | MID LINEARITY | |
| GH9 | KEY | –127~+127 | 0 | KEYSTONE | |
| GH10 | SSKW | –127~+127 | 0 | SUB SKEW | |
| GH11 | MPIN | –127~+127 | 15 | MID PINCUSION | |
| GH12 | PIN | –127~+127 | –12 | PINCUSION | |
| GH13 | SBOW | –127~+127 | 8 | SUB BOW | |
| GH14 | MBOW | –127~+127 | 0 | MID BOW | |
| GH15 | 4PIN | –127~+127 | 0 | 4th PINCUSION | |
| GH16 | 4SBO | –127~+127 | 0 | rth SUB BOW | |
| GV0 | CENT | 0 | 0 | CENTER | |
| GV1 | SKEW | –127~+127 | 0 | SKEW | |
| GV2 | BOW | –127~+127 | 0 | BOW | |
| GV3 | SIZE | –127~+127 | 0 | SIZE | |
| GV4 | LIN | –127~+127 | 0 | LINEARITY | |
| GV5 | MSIZ | –127~+127 | 0 | MID SIZE | |
| GV6 | MKEY | –127~+127 | 0 | MID KEYSTONE | |
| GV7 | KEY | –127~+127 | 0 | KEYSTONE | |
| GV8 | SSKW | –127~+127 | 0 | SUB SKEW | |
| GV9 | MPIN | –127~+127 | 0 | MID PINCUSION | |
| GV10 | PIN | –127~+127 | 20 | PINCUSION | |
| GV11 | SBOW | –127~+127 | 16 | SUB BOW | |
| GV12 | WAVE | –127~+127 | 0 | WAVWE | |
| GV13 | 4PIN | –127~+127 | 25 | 4th PINCUSION | |
| RH0 | CENT | –95~+96 | 0 | CENTER | |
| RH1 | SKEW | –95~+96 | 0 | SKEW | |
| RH2 | BOW | –127~+127 | 0 | BOW | |
| RH3 | 4BOW | –127~+127 | 0 | 4th BOW | |
| RH4 | SIZE | –127~+127 | 25 | SIZE | |
| RH5 | LIN | –127~+127 | 10 | LINEARITY | |
| RH6 | MSIZ | –127~+127 | 30 | MID SIZE | |
| RH7 | MLIN | –127~+127 | –30 | MID LINEARITY | |

| Item Display | Adj Item | Data Range | Std Values | Register Name | Device |
|---|---|---|---|---|---|
| RH8 | KEY | –127~+127 | 0 | KEYSTONE | |
| RH9 | SSKW | –127~+127 | 0 | SUB SKEW | |
| RH10 | MPIN | –127~+127 | 0 | MID PINCUSION | |
| RH11 | PIN | –127~+127 | –10 | PINCUSION | |
| RH12 | SBOW | –127~+127 | 40 | SUB BOW | |
| RH13 | MBOW | –127~+127 | 12 | MID BOW | |
| RH14 | 4PIN | –127~+127 | 0 | 4th PINCUSION | |
| RH15 | 4SBO | –127~+127 | 0 | 4th SUB BOW | |
| RV0 | CENT | –95~+96 | –10 | CENTER | |
| RV1 | SKEW | –95~+96 | 0 | SKEW | |
| RV2 | BOW | –127~+127 | 4 | BOW | |
| RV3 | SIZE | –127~+127 | 0 | SIZE | |
| RV4 | LIN | –127~+127 | 0 | LINEARITY | |
| RV5 | MSIZ | –127~+127 | 0 | MID SIZE | |
| RV6 | MKEY | –127~+127 | 10 | MID KEYSTONE | |
| RV7 | KEY KEYSTONE | –10 | –10 | –127±127 | |
| RV8 | SSKW | –127~+127 | 10 | SUB SKEW | |
| RV9 | MPIN | –127~+127 | 0 | MID PINCUSION | |
| RV10 | PIN PINCUSION | 10 | 10 | –127±127 | |
| RV11 | SBOW | –127~+127 | 16 | SUB BOW | |
| RV12 | WAE | –127~+127 | 30 | WAVE | |
| RV13 | 4PIN | –127~+127 | 10 | 4th PINCUSION | |
| RV14 | MWAVE | –31~+31 | 0 | MID WAVE | |
| BH0 | BSEL | 0,1 | 0 | OSD Select for BH, BV (0: B + G, 1: B + R) | |
| BH1 | CENT | –95~+96 | 0 | CENTER | |
| BH2 | SKEW | –95~+96 | 0 | SKEW | |
| BH3 | BOW | –127~+127 | 0 | BOW | |
| BH4 | 4BOW | –127~+127 | 0 | 4th BOW | |
| BH5 | SIZE | –127~+127 | –25 | SIZE | |
| BH6 | LIN | –127~+127 | –10 | LINEARITY | |
| BH7 | MSIZ | –127~+127 | 30 | MID SIZE | |
| BH8 | MLIN | –127~+127 | 30 | MID LINEARITY | |
| BH9 | KEY | –127~+127 | 0 | KEY KEYSTONE | |
| BH10 | SSKW | –127~+127 | 0 | SUB SKEW | |
| BH11 | MPIN | –127~+127 | 0 | MID PINCUSION | |
| BH12 | PIN | –127~+127 | –10 | PINCUSION | |
| BH13 | SBOW | –127~+127 | –40 | SUB BOW | |
| BH14 | MBOW | –127~+127 | –16 | MID BOW | |
| BH15 | 4PIN | –127~+127 | 0 | 4PIN 4th PINCUSION | |
| BH16 | 4SBO | –127~+127 | 0 | 4th SUB BOW | |
| BV0 | CENT | –95~+96 | –10 | CENTER | |
| BV1 | SKEW | –95~+96 | 0 | SKEW | |
| BV2 | BOW | –127~+127 | 0 | BOW | |
| BV3 | SIZE | –127~+127 | 0 | SIZE | |
| BV4 | LIN | –127~+127 | 0 | LINEARITY | |
| BV5 | MSIZ | –127~+127 | 0 | MID SIZE | |
| BV6 | MKEY | –127~+127 | –10 | MID KEYSTONE | |
| BV7 | KEY | –127~+127 | 10 | KEYSTONE | |
| BV8 | SSKW | –127~+127 | –10 | SUB SKEW | |
| BV9 | MPIN | –127~+127 | 0 | MID PINCUSION | |
| BV10 | PIN | –127~+127 | 10 | PINCUSION | |
| BV11 | SBOW | –127~+127 | 32 | SUB BOW | |
| BV12 | WAVE | –127~+127 | –30 | WAVE | |
| BV13 | 4PIN | –127~+127 | 10 | 4th PINCUSION | |
| BV14 | MWAVE | –31~+31 | 0 | MID WAVE | |
| ACV0 | ART0 | 1-8 | 6 | DATA SAMPLE LENGTH | |
| ACV1 | ATIM | 0-255 | 1S | SAMPLE START TIME (UP) | |

| Item Display | Adj Item | Data Range | Std Values | Register Name | Device |
|---|---|---|---|---|---|
| ACV2 | ATIM | 0-255 | 132 | SAMPLE START TIME (LSR) | |
| ACV3 | ATIB | 0-255 | 240 | SAMPLE START TIME (BOT) | |
| ACV4 | AH51 | 0-255 | 1S | OSD H POS 50 (L & R) | |
| ACV5 | AH52 | 0-255 | 130 | OSD H POS 50 (UP & BOTTOM) | |
| ACV6 | AV5T | 0-255 | 1 | OSD V POS 50 (UP) | |
| ACV7 | AV5M | 0-255 | 60 | OSD V POS 50 (L & R) | |
| ACV8 | AV5B | 0-255 | 130 | OSD V POS 60 (BOTTOM) | |
| ACV9 | AH61 | 0-255 | 18 | OSD H POS 60 (L & R) | |
| ACV10 | AH62 | 0-255 | 130 | OSD H POS 60 (BOTTOM) | |
| ACV11 | AV6T | 0-255 | 1 | OSD V POS 50 (UP) | |
| ACV12 | AV6M | 0-255 | 46 | OSD V POS 50 (L & R) | |
| ACV13 | AV6B | 0-255 | 100 | OSD V POS 50 (BUTTOM) | |
| ACV14 | RHCO | –127~+127 | 0 | RH CENT ADJ OFFSET | |
| ACV15 | BHCO | –127~+127 | 0 | BH CENT ADJ OFFSET | |
| ACV16 | RCO | –127~+127 | 0 | RV CENT ADJ OFFSET | |
| ACV17 | BVCO | –127~+127 | 0 | BV CENT ADJ OFFSET | |
| ACV18 | RHSO | –127~+127 | 0 | RH SKEW ADJ OFFSET | |
| ACV19 | BHSO | –127~+127 | 0 | BH SKEW ADJ OFFSET | |
| ACV20 | RVSO | –127~+127 | 0 | RV SKEW ADJ OFFSET | |
| ACV21 | BVSO | –127~+127 | 0 | BV SKEW ADJ OFFSET | |
| ACV22 | AERR | 0-255 | 0 | AUTO CONV. ERROR CODE | |
| MSC0 | ACTL | 0-255 | 0 | COUNTER (LOW BYTE) | |
| MSC1 | ACTH | 0-255 | 0 | COUNTER (HIGH BYTE) | |
| 0C | VAP | 00~3F | 2F | V ASPECT | CXA2050S |
| 0D | VSC | 00~3F | 1F | V SCROLL | |
| 0E | ULN | 00~0F | 00 | UP V LINEARITY | |
| 0F | LLN | 00~0F | 00 | LOW V LINEARITY | |
| 10 | EHH | 00~03 | 00 | EHT-H | |
| 11 | EHV | 00~03 | 00 | EHT-V | |
| 12 | HBS | 00~01 | 01 | H BLK WID.ON/OFF | |
| 13 | LBK | 00~0F | 0F | L BLK WIDTH | |
| 14 | RBK | 00~0F | 0F | R BLK WIDTH | |
| 15 | JSW | 00~01 | 00 | JUMP ON/OFF SW | |
| 16 | VBW | 00~03 | 02 | V BLK WID.CON. | |
| 17 | AFC | 00~03 | 01 | AFC-MODE | |
| | | | 03 | | |
| 18 | FHH | 00~01 | 00 | FH-HI | |
| 19 | VFQ | 00~03 | 00 | V-FREQ | |
| 1A | VOF | 00~01 | 00 | V OFF | |
| 1B | VMD | 00~01 | 00 | CD-MODE2 | |
| 1C | CMD | 00~01 | 00 | CD-MODE | |
| 1D | TTL | 00~03 | 00 | INTERLACE | |
| 1E | ZSW | 00~01 | 00 | ZOOM SW | |
| 1F | POV | 00~03 | 03 | PRE-OVER | |
| 20 | CT1 | 00~01 | 01 | C-TRAP(NTSC) | |
| 21 | CT2 | 00~01 | 01 | C-TRAP(PAL) | |
| 22 | CFO | 00~0F | 07 | C-TRAP fo ADJ | |
| 23 | SFO | 00~01 | 00 | SHARPNESS fo ADJ | |
| 24 | TOT | 00~01 | 01 | TOT FILTER SW | |
| 25 | CSW | 00~03 | 00 | COLOR SW | |
| 26 | XTL | 00~03 | 00 | XTAL | |
| | | | 00 | | |
| 27 | CV1 | 00~01 | 01 | CV/YC SEL(NTSC) | |
| 28 | CV2 | 00~01 | 01 | CV/YC SEL(PAL) | |
| 29 | VM | 00~01 | 01 | VM ON/OFF | |
| 2A | YVM | 00~01 | 00 | YS1/VM SW(0:YS1) | |
| 2B | DPC | 00~01 | 01 | D-PIC ON/OFF | |

| Item Display | Adj Item | Data Range | Std Values | Register Name | Device |
|---|---|---|---|---|---|
| 2C | DCO | 00~01 | 01 | DYNAMIC COLOR | |
| 2D | GMM | 00~03 | 01 | GAMMA | |
| 2E | DTR | 00~01 | 01 | DC-TRANSIENT | |
| 2F | DL1 | 00~07 | 03 | DELAY CTRL(PAL) | |
| | | | 03 | | |
| 30 | DL2 | 00~07 | 03 | DELAY CTRL(NTSC) | |
| | | | 03 | | |
| 31 | DL3 | 00~07 | 03 | DELAY CTRL(SECAM) | |
| | | | 03 | | |
| 32 | DL4 | 00~07 | 07 | DELAY AT DVD(50Hz) | |
| 33 | DL5 | 00~07 | 07 | DELAY AT DVD(60Hz) | |
| 34 | SCN | 00~0F | 09 | SUB-CONTRAST | |
| 35 | SC1 | 00~0F | 0B | SUB-COLOR(OTHER) | |
| 36 | SC2 | 00~0F | 0B | SUB-COLOR(NTSC) | |
| 37 | SH1 | 00~0F | 04 | SUB-HUE(TV) | |
| 38 | SH2 | 00~0F | 07 | SUB-HUE(VIDEO) | |
| 39 | SBR | 00~3F | 24 | SUB-BRIGHT | |
| 3A | SSH | 00~07 | 04 | SUB-SHARPNESS | |
| | | | 02 | | |
| 3B | GDR | 00~3F | 1D | G-DRIVE | |
| 3C | BDR | 00~3F | 20 | B-DRIVE | |
| 3D | GCF | 00~0F | 07 | G-CUTOFF | |
| 3E | BCF | 00~0F | 08 | B-CUTOFF | |
| 3F | RPO | 00~03 | 01 | 0F[0..1] | |
| | | | 02 | | |
| 40 | PON | 00~01 | 01 | PIC-ON | |
| 41 | RON | 00~01 | 01 | R ON | |
| 42 | GON | 00~01 | 01 | G ON | |
| 43 | BON | 00~01 | 01 | B ON | |
| 44 | AKF | 00~01 | 00 | AKB ON/OFF SW | |
| 45 | ESY | 00~01 | 00 | EXT SYNC SEL | |
| | | | 00 | | |
| 46 | AGG | 00~01 | 00 | AGING MODE ON/OFF | |
| 47 | ABL | 00~01 | 00 | ABL PIC/PICandBRT SW (1:PIC ONLY) | |
| 48 | LIM | 00~01 | 00 | RGB LIMIT ON/OFF (1:ON) | |
| 49 | PB | 00~01 | 01 | PICTURE BOOSTER | No use |
| 4A | BOF | 00~01 | 01 | BLACK OFFSET | |
| 4B | UVG | 00~3F | 1F | USER VAR.GAMMA | |
| 4C | ADG | 00~3F | 1F | ADAPTIVE GAMMA | |
| 4D | NLA | 00~3F | 05 | NON-LINEAR AMP | |
| 4E | WDS | 00~02 | 00 | WINDOW SELECT | |
| 4F | LST | 00~0F | 07 | WINDOW LINE START | |
| 50 | LSP | 00~0F | 07 | WINDOW LINE STOP | |
| 51 | FST | 00~0F | 07 | WINDOW FIELD START | |
| 52 | FSP | 00~0F | 07 | WINDOW FIELD STOP | |
| 53 | VA | 00~01 | 01 | V APERTURE ON/OFF | No use |
| 54 | VAW | 00~03 | 02 | V APERTURE WHITE | |
| 55 | VAB | 00~03 | 02 | V APERTURE BLACK | |
| 56 | VAC | 00~0F | 02 | V APERTURE CORE | |
| 57 | SHP | 00~3F | 25 | SHARPNESS | No use |
| | | | 20 | | |
| 58 | VMH | 00~3F | 29 | VM LIMITTER(HIGH) | |
| 59 | VML | 00~3F | 1C | VM LIMITTER(LOW) | |

| Item Display | Adj Item | Data Range | Std Values | Register Name | Device |
|---|---|---|---|---|---|
| 5A | COR | 00~3F | 1C | CORING | |
| | | | 1C | | |
| 5B | DOF | 00~3F | 15 | DSC OFFSET | |
| 5C | DGA | 00~3F | 1F | DSC GAIN | |
| 5D | DLT | 00~01 | 01 | DELAY TIME | |
| 5E | SDL | 00~0F | 00 | SEL PIN DELAY | SDA9189X |
| 5F | POH | 00~FF | 1B | H POSITION(MSB 8bit) | |
| 60 | POV | 00~FF | 2F | V POSITION | |
| 61 | HDL | 00~1F | 0B | HSI DELAY | |
| 62 | AMS | 00~01 | 00 | DECIMATION FILTER | |
| 63 | VDL | 00~1F | 0B | VSI DELAY | |
| 64 | VSP | 00~1F | 0D | VSP DELAY | |
| 65 | CON | 00~0F | 06 | CONTRAST | |
| 66 | FRY | 00~0F | 09 | FRAME Y | |
| 67 | FRV | 00~0F | 00 | FRAME V | |
| 68 | FRU | 00~0F | 00 | FRAME U | |
| 69 | INF | 00~01 | 01 | INNER FRAME | |
| 6A | FWV | 00~03 | 02 | FRAME WIDTH V | |
| 6B | FWH | 00~07 | 07 | FRAME WIDTH H | |
| 6C | PLL | 00~03 | 02 | PLL LOOP FILTER | |
| 6D | PDV | 00~0F | 00 | PEDESTAL V | |
| 6E | PDU | 00~0F | 00 | PEDESTAL U | |
| 6F | DAT | 00~01 | 00 | DAC STREAM CONTROL | |
| 70 | DAN | 00~01 | 00 | DAC CONTROL | |
| 71 | FAW | 00~FF | 08 | NICAM FAW THRESH | MSP3410 |
| 72 | CTM | 00~FF | 08 | NICAM ERROR BIT(MONO) | |
| 73 | CTN | 00~FF | 50 | NICAM ERROR BIT(NICAM) | |
| 74 | WCD | 00~FF | 0A | W.G.DATA CHANGE | |
| 75 | WST | 00~FF | 15 | W.G.STEREO THRESHOLD | |
| 76 | WTM | 00~FF | 50 | W.G.TIMER | |
| 77 | WBT | 00~01 | EA | W.G.BILINGUAL THRESHOLD | |
| 78 | AGC | 00~01 | 01 | AGC AUTO/CONST | |
| 79 | CDB | 00~3F | 28 | AGC GAIN CONST | |
| 7A | FGP | 00~7F | 24 | FM(BG,I,DK)PRESCALE | |
| 7B | EMP | 00~7F | 40 | FM(M)PRESCALE | |
| 7C | WGP | 00~7F | 3C | W.G PRESCALE | |
| 7D | NIP | 00~7F | 7F | NICAM PRESCALE | |
| 7E | CRM | 00~01 | 00 | CARRIER MUTE | |
| 7F | CML | 00~03 | 00 | CARRIER MUTE LEVEL | |
| 80 | ACO | 00~01 | 01 | AUDIO CLOCK OUT | |
| 81 | WAC | 00~0F | 01 | W.G.AGREEMENT COUNT | |
| 82 | DLY | 00~FF | 30 | STEREO SEARCH DELAY | |
| 83 | DLG | 00~FF | 10 | W.G.SEARCH DELAY | |
| 84 | TXP | 00~0F | 0E | TEXT PICTURE CONT | SAA5261 |
| 85 | MXP | 00~0F | 0F | TEXT MIX MODE PIC | |
| 86 | TXH | 00~03 | 02 | TEXT DISPLAY POSITION(H) | |
| 87 | BB1 | 00~3F | 1D | BBE CONTROL HIGH | CXA1315 |
| 88 | BB2 | 00~3F | 1D | BBE CONTROL MIDDLE | |
| 89 | BB3 | 00~3F | 28 | BBE CONTROL LOW | |
| 8A | ATW | 00~03 | 01 | AUTO WIDE IDENTSPEED | No use |
| 8B | BKP | 00~FF | 00 | BLK OFF PICTURE | No use |
| 8C | OSH | 00~3F | 0D | OSD POSITION H | |
| 8D | ODL | 00~FF | 10 | POWER ON DELAY | |
| 8E | BLU | 00~01 | 01 | BLUE BACK ON/OFF | |
| 8F | ROC | 00~0F | 0F | N/S CENTER VOL | |

**Note**: Items are fixed data.

| Item Display | Adj Item | Data Range | Std Values | Register Name | Device |
|---|---|---|---|---|---|
| 90 | ROS | 00~07 | 07 | USER SET UP | |
| 91 | DKS | 00~01 | 01 | D/K STEREO SEARCH | |
| 92 | MUT | 00~01 | 01 | NO SYNC MUTE | |
| 93 | DID | 00~01 | 00 | DISABLE DEGAUSS | |
| 94 | DWZ | 00~01 | 00 | DISABLE WIDEZOOM | |
| 95 | BCS | 00~01 | 00 | BASS CENTER SHIFT | |
| 96 | RVS | 00~01 | 00 | BASS VOLUME SHIFT | |
| 97 | WBS | 00~03 | 00 | WOOFER OFF BASS SHIFT | |
| 98 | OP0 | 00~FF | C1 | OPTION 0 | |
| 99 | OP1 | 00~FF | 3E | OPTION 1 | |

**Note**: Items are fixed data.

## ITEM INFORMATION

No.98 OP 0

| ITEM | MSP RST | H.D. M | — | — | — | — | — | Text Mode |
|---|---|---|---|---|---|---|---|---|
| Normal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

bit 0 0: Automatic mode 1: Fastext mode
bit 6 0: High Deviation mode Disable 1: High Deviation mode Enable
bit 7 0: Off 1: On

No.99 OP 1

| ITEM | WIDE | WOOFER | TILT | VM | COMB ELECT | COMB | SECAM | B/G ONLY |
|---|---|---|---|---|---|---|---|---|
| Normal | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |

E: Tilt, Digital comb, SECAM decoder
V: Wide, Tilt, Digital comb, SECAM decoder
J: Tilt, Grass comb, VM, SECAM decoder

bit3 0: Grass comb 1: Digital comb
bit2 0: comb OFF 1: comb ON

## 5-4. REGISTRATION (CONVERGENCE) ADJUSTMENT METHOD

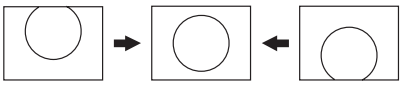
### PAL REGISTRATION ADJUSTMENT

1) Receive the PAL SPCB signal.
2) Select Service mode and enter adjustment items for Green signal.

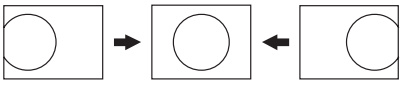
### CENTER ADJUSTMENT

1) Adjust GH and GV CENT.

GV CENT



GH CENT

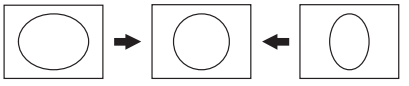


### SIZE ADJUSTMENT

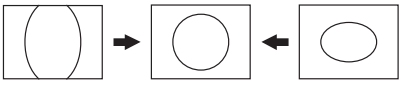
1) Adjust GH SIZE data " 0 ".
2) Adjust VSP H-SIZE.
3) Make GV SIZE data " 00 ".
4) Adjust VSP V-SIZE.
5) Adjust VSP SSCOR.

SPEC : H-SIZE 16.4 +/- 0.15 Sq.
V-SIZE 12.3 +/-0.15Sq.

VSP HSIZE



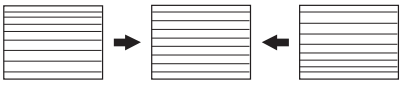
VSP VSIZE



### MAIN DEFLECTION ADJUSTMENT

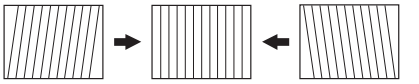
1) Adjust VSP V-Lin.
Correct linearity of the horizontal top and bottom lines.

VSP VLINE



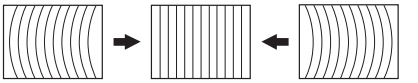
2) Adjust VSP H-SKEW
Correct the vertical center line to be in parailel with the screen edges and other colors.

VSP H-SKEW



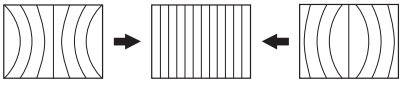
3) Adjust VSP H-BOW.
Correct linearity of the vertical center line.

VSP H-BOW



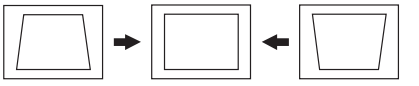
4) Adjust VSP H-PIN.
Correct the vertical left and right lines and eliminute pin-cushion-shaped distortion.

VSP H-PIN



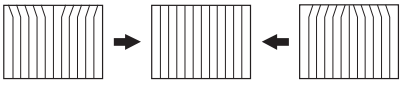
5) Adjust VSP H-Key.
Correct the vertical left and right lines to be in parallel with each other.

VSP H-KEY



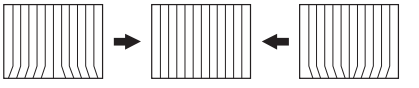
6) Adjust VSP UC. PIN
Correct the screen top section line bow.

VSP UC. PIN



7) Adjust VSP LC. PIN
Correct the screen bottom section line bow.

VSP LC. PIN



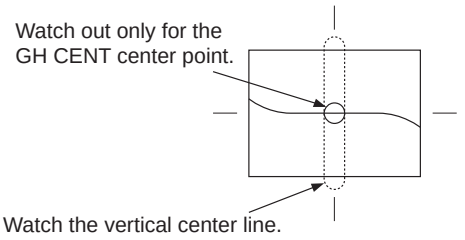
**SUB DEFLECTION ADJUSTMENT ITEM**

Adjustment O : Yes – : No

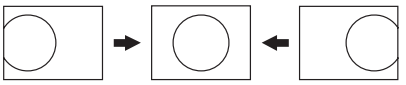
| Display | Adjustment item | Adjustment type | | | | | |
|---|---|---|---|---|---|---|---|
| | | GH | GV | RH | RV | BH | BV |
| BSEL | COL SELECT | – | – | – | – | O | – |
| CENT | CENT | O | O | O | O | O | O |
| SKEW | SKEW | O | O | O | O | O | O |
| BOW | BOW | O | O | O | O | O | O |
| 4BOW | 4TH BOW | O | – | O | – | O | – |
| SIZE | SIZE | O | O | O | O | O | O |
| LIN | LIN | O | O | O | O | O | O |
| MSIZ | MID SIZE | O | O | O | O | O | O |
| MLIN | MID LIN | O | O | O | – | O | – |
| MKEY | MID KEY | – | O | – | O | – | O |
| KEY | KEY | O | O | O | O | O | O |
| SSKW | SUB SKEW | O | O | O | O | O | O |
| MPIN | MID PIN | O | O | O | O | O | O |
| PIN | PIN | O | O | O | O | O | O |
| SBOW | SUB BOW | O | O | O | O | O | O |
| WAVE | WAVE | – | O | – | O | – | O |
| MBOW | MID BOW | O | – | O | – | O | – |
| 4PIN | 4TH PIN | O | O | O | O | O | O |
| 4SBOW | 4TH SUB BOW | O | – | O | – | O | – |

**VERTICAL LINE ADJUSTMENT**

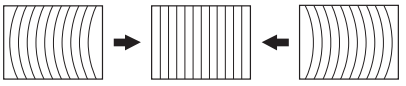
1. Carefully watching out for the GH CENT screen centre section, adjust GH CENT, GH BOW, GH SKEW.
2. GH 4th Bow adjustment. Correct the corner distortion which could not be adjusted with GH BOW.



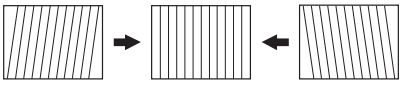

GH CENT



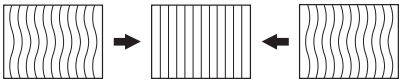
GH BOW



GH SKEW

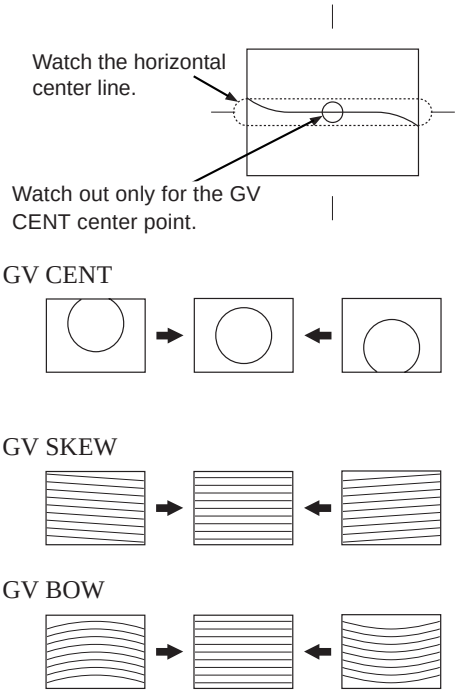


GH 4BOW



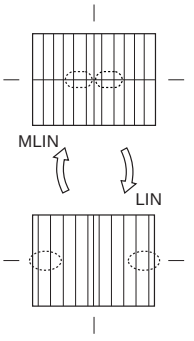
### HORIZONTAL LINE ADJUSTMENT

1. Finely adjust the centre position of the vertical line at the centre of the screen with GV CENT.
2. Using GV SKEW and GV BOW, correct the tilt and bow of the horizontal line at the centre of the screen.



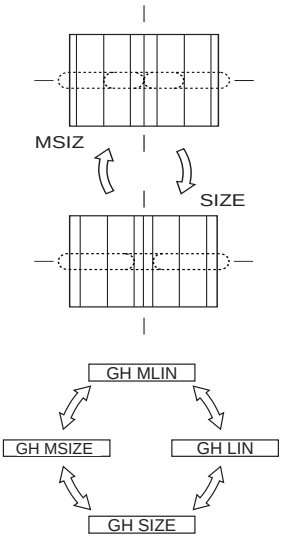

### SIZE AND LINEARITY ADJUSTMENT

1. Balance the sizes at both sides of the centre section of the screen with GH MLIN.
2. Balance the sizes on both end sections of the screen with GH LIN.
3. While tracking, adjust with GH MLIN and GH LIN so that the sizes of the horizontal line at the centre of the screen are symmetrical left and right.



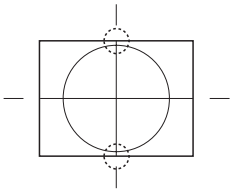

### HORIZONTAL SIZE ADJUSTMENT

1. Adjust with GH MSIZE, so that the sizes of both edges and centre are equal.
2. Adjust with GH SIZE, so that the horizontal sizes of both edges and centre are equal.
3. While tracking adjust GH MSIZE and GH SIZE so that the space intervals for the horizontal section of the screen are equal.
4. Adjust again if M LIN is changed after GH MSIZE and GH SIZE are complete.



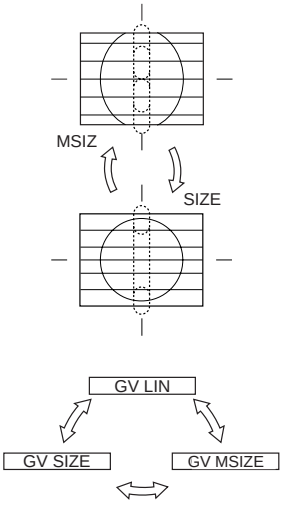

### GREEN VERTICAL LINEARITY ADJUSTMENT

1. Adjust GV LIN so that the vertical lines at the top and bottom of the screen are symmetrical.



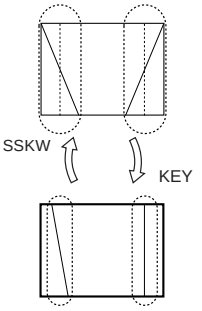
### GREEN VERTICAL SIZE ADJUSTMENT

1. Adjust GV MSIZE so that the sizes at the top and bottom and centre are equal.
2. Set the vertical size to correct specification.
3. While tracking adjust GV MSIZE and GV SIZE so that the space intervals for the vertical line of the screen are equal, also the vertical size should be within space.
4. Adjust again if GV LIN has been altered after completing the above adjustments.



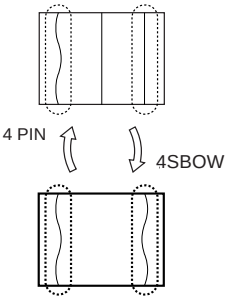

### GREEN HORIZONTAL TRAPEZOIDAL DISTORTION ADJUSTMENT

1. Adjust GH SSKW so that the tilt of the vertical lines at both edges of the screen are symmetrical left and right.
2. Adjust GH KEY so that there is no tilt in the vertical lines at both edges of the screen.
3. While tracking adjust GH KEY and GH SSKW.



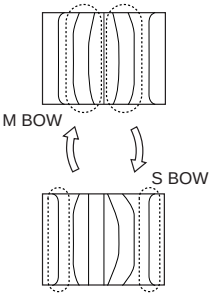

### GREEN HORIZONTAL QUATERNARY ADJUSTMENT

1. Adjust GH 4PIN, to correct the 4th order distortion.
2. Adjust GH 4SBO to balance and correct the 4th order distortion at both edges of the screen.
3. While tracking adjust GH 4PIN and GH 4SBOW.



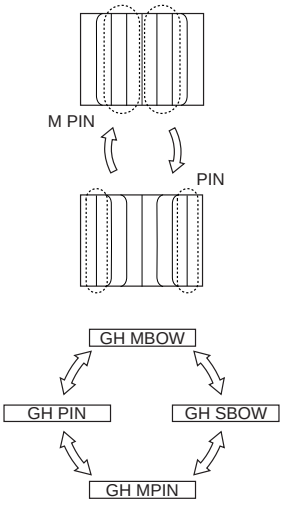

### GREEN HORIZONTAL ASYMMETRICAL PIN DISTORTION ADJUSTMENT

1. Adjust GH MBOW, so that the pin asymmetry at both sides of the centre section are symmetrical left and right.
2. Adjust GH SBOW so that the bow at both edges of the screen is symmetrical left and right.
3. While tracking adjust GH MBOW and GH SBOW so that the bow of vertical lines over the entire screen is symmetrical.



### GREEN HORIZONTAL SYMMETRICAL PIN DISTORTION ADJUSTMENT

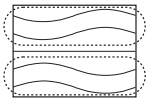
1. Adjust GH MPIN to correct pin distorton at both edges of the centre section.
2. Use GH PIN to correct pin distortion at both edges of the screen.
3. While tracking adjust GH MPIN and GH PIN so that the PIN of vertical lines on the entire screen have no bowing.
4. If there is asymmetrical distortion after adjustments, re-adjust GH MBOW and GH SBOW while tracking.



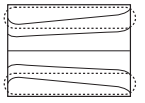

### GREEN VERTICAL WAVE (3RD-ORDER) DISTORTION ADJUSTMENT

1. Check the screen at the top & bottom, and look for any 2nd or 3rd order waveform distortion of horizontal lines. Correct with GV WAVE.
2. While tracking adjust GV WAVE and GV KEY, if here are any KEY distortion.

GV WAVE



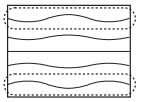
GV KEY



### GREEN VERTICAL 4TH ORDER DISTORTION ADJUSTMENT

1. By using GV 4 PIN, 4th-Order distortion of the horizontal lines at the top & bottom can be corrected.
   Since there is no 4SBO for vertical correction, there will be a slight imbalnace, but adjust the registration to eleiminate any distortion.

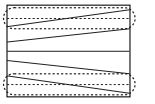
GV 4PIN

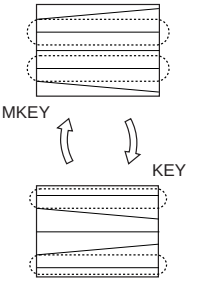


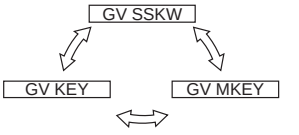
### GREEN VERTICAL TRAPEZOIDAL DISTORTION ADJUSTMENT

1. Adjust GV SSKW so that the tilt of the horizontal lines at the top and bottom of the screen are symmetrical.
2. Adjust GV MKEY so that there is no tilt for the middle section.
3. Adjust GV KEY so that there is no tilt at the top and bottom of the screen.
4. While tracking adjust GV MKEY and GV KEY, so that there is no tilt over the entire screen.
5. If the tilt is unbalanced after GV MKEY and GV KEY have been adjusted, readjust GV SSKW.

GV SSKW



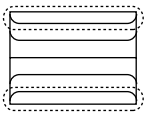


**GREEN VERTICAL ASYMMETRICAL PIN DISTORTION (2ND-ORDER DISTORTION) ADJUSTMENT**

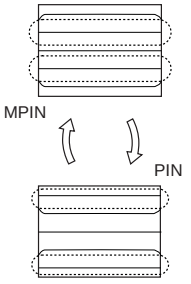
1. Correct the asymmetrical pin distortion at the top and bottom of the screen with GV SBOW.

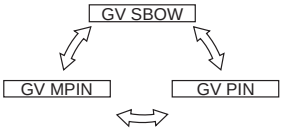
GV SBOW



**GREEN VERTICAL ASYMMETRICAL PIN DISTORTION ADJUSTMENT**

1. Using GV MPIN adjust the pin distortion at both edges of the screen and at the centre.
2. Using GV PIN, adjust, so that the horizontal lines at the top & bottom of the screen are straight lines.
3. Adjust GV MPIN & GV PIN so that there is no curve in the horizontal lines on the entire screen.
4. After adjusting the items above, using tracking with GV SBOW. GV MPIN, and GV PIN to correct the entire screen.




**GREEN AND RED REGISTRATION ADJUSTMENT**

1. Receive a PAL cross-hatch signal.
2. Adjust so that the red lines lay on the green lines.
   Adjust, using the same procedure as the GREEN SUB adjustment outline above.

Note : Main registration correction should not be while adjusting Red adjustment.

BEWARE : Not to change Green Sub Items It' s easily done by mistake.

**GREEN AND BLUE ADJUSTMENT**

1. Adjust so that the blue and green lines are on top of each other.

Note : Main registration correction should not be while adjusting Blue adjustment.

BEWARE : Not to change Green & Red Sub Items. It' s easily done by mistake.

**REGISTRATION DATA WRITE**

After Finish all PAL registration adjustments, write PAL registration data by pressing form the appropriate buttons.

DATA WRITE
Press MUTE +0

**DATA COPY FROM PAL TO NTSC**

Copy PAL data to NTSC data by pressing " DISPLAY " and " 0 "

* Press " i+ (DISPLAY) " + " 0 " to copy data from PAL to NTSC.
  If you press " i+ (DISPLAY) ", then it appears " WRT5060 " to display.
* Make sure input signal is PAL. If input signal is NTSC and do this process, NTSC data are copied to PAL data!

## 5-5. AUTO CONVERGENCE ADJUSTMENT

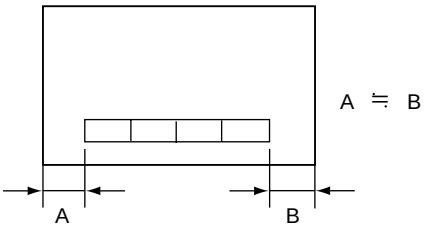
1. Enter service mode.
2. Confirm registration is well adjusted (especially center).
3. Push "Quick Focus" (Auto Convergence) button in the control panel.
4. If, Auto Convergence is successfully finished, then OK.
5. If not, please check the connection of the photo sensor and it's harness.

## 5-6. WHITE BALANCE ADJUSTMENT

1. Receive the monoscope signal and adjust the picture quality with the menu.
2. Adjust service mode S-BRIGHT so that the signal 10 IRE section barely glows.
3. Receive the all-white pattern signal.
4. Adjust the white balance with service mode G-CUTOFF and B-CUTOFF.
5. Adjust service mode S-BRIGHT so that the signal 100 IRE section barely glows.
6. Adjust the white balance with service mode G-DRIVE and B-DRIVE.
7. Repeatedly adjust the white balance for the minimum and maximum picture settings.

## 5-7. TEXT POSITION ADJUSTMENT

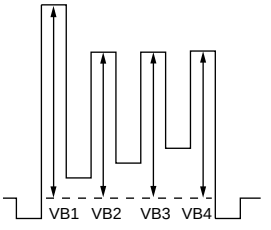
1. Receive RF signal with text.
2. Select item 86 (TXH) Text H position adjustment by commander.
3. Adjust H Position of Text.




## 5-8. PICTURE QUALITY ADJUSTMENTS

### SUB COLOR ADJUSTMENT (SC1, SC2)

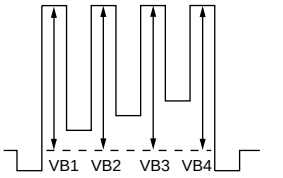
1. Input a PAL color-bar.
2. Set to the following condition:
   PICTURE 90%, BRIGHTNESS 50%, COLOR 50%
3. Connect an oscilloscope to the pin ④ (B OUT) of CN405, AG board.
4. Set to Service Mode and select 35 SC1 with [1] and [4] of the commander then adjust to VB2=VB3=VB4 with [3] and [6].
5. Press [MUTING] → [0] of the commander to write the data.
6. Adjust 36 SC2 as step 2 to 5 when receiving NTSC color-bar.




VB2 = VB3 = VB4

### SUB HUE ADJUSTMENT (SH1, SH2)

1. Input a PAL color-bar.
2. Set the following condition:
   PICTURE 90%, BRIGHTNESS 50%, COLOR 50%.
3. Connect an oscilloscope to the pin ④ (B OUT) of CN405, AG board.
4. Select 37 SH1 with [1] and [4] of the commander by setting to Service Mode and adjust to VB1=VB2=VB3=VB4 with [3] and [6].
5. Select Video1.




VB1 = VB2 = VB3 = VB4

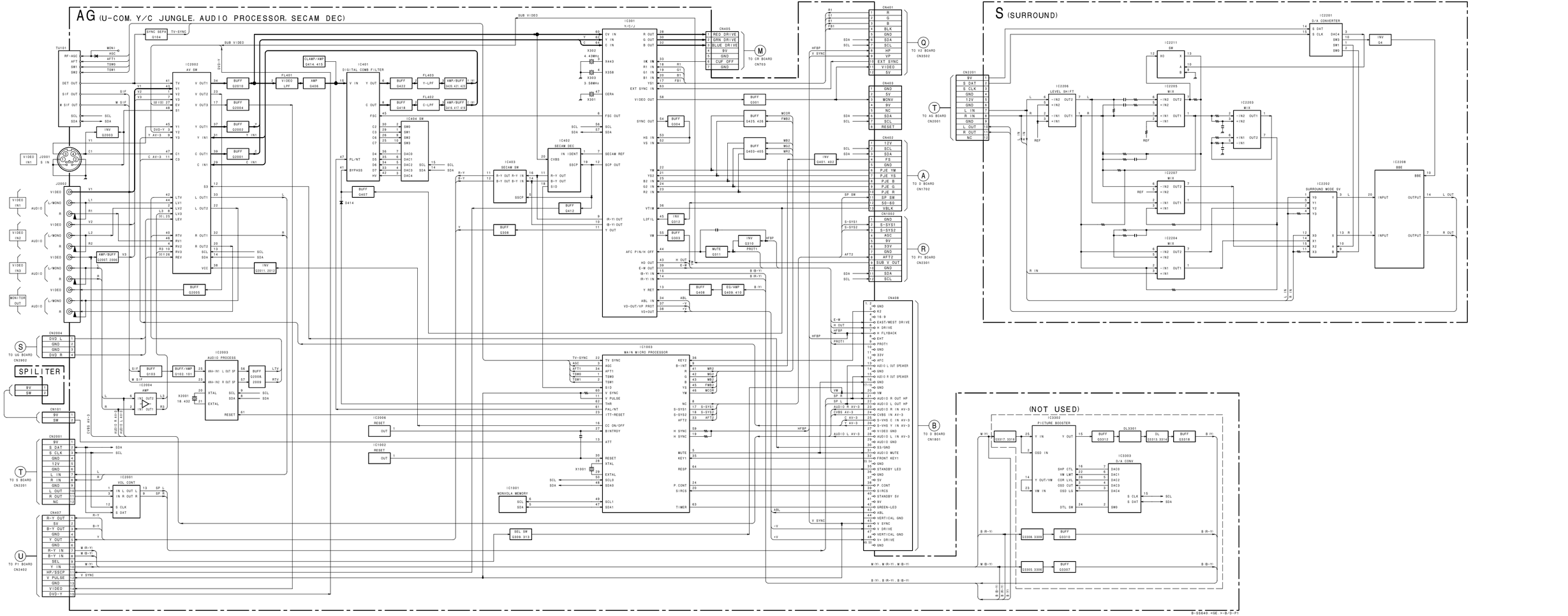
6. Input a PAL color-bar, video into video 1.
7. Adjust 38 SH2 as step 2 to 5.
8. Press [MUTING] → [0] of the commander to write the data.

KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2, EF53HK2/ME2/MN2/SN2 RM-871

KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2, EF53HK2/ME2/MN2/SN2 RM-871

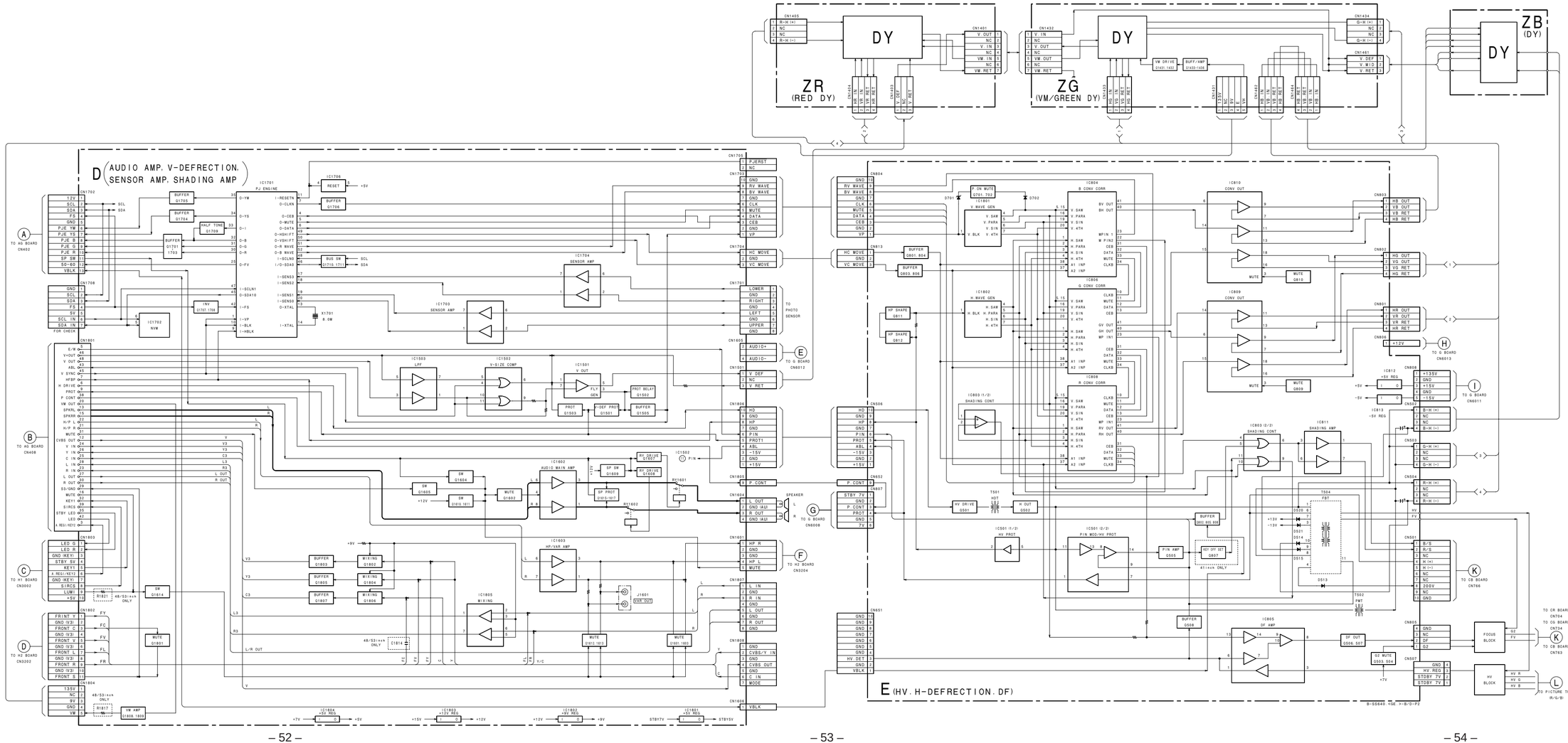
# SECTION 6
# DIAGRAMS

## 6-1. BLOCK DIAGRAMS

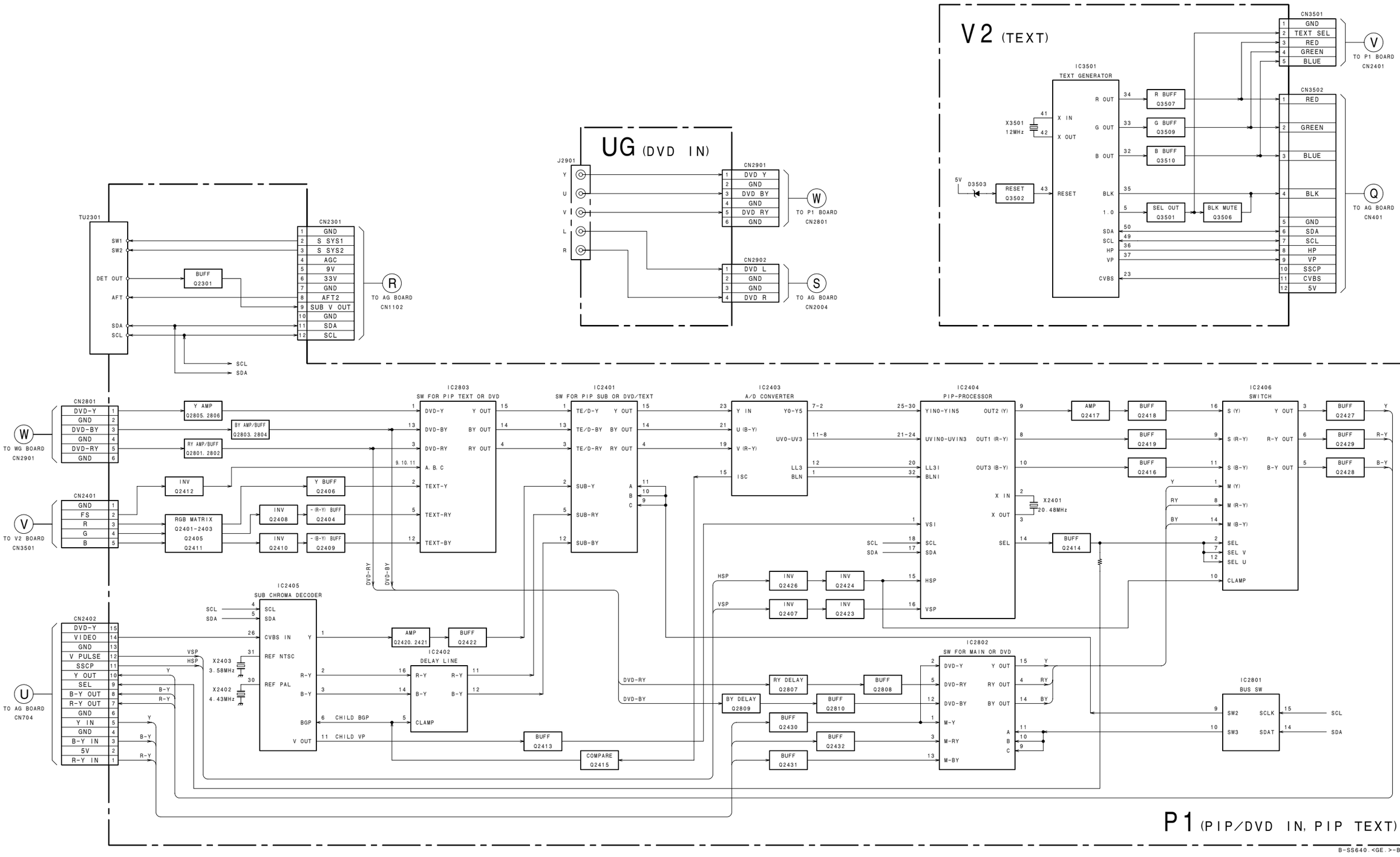


KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

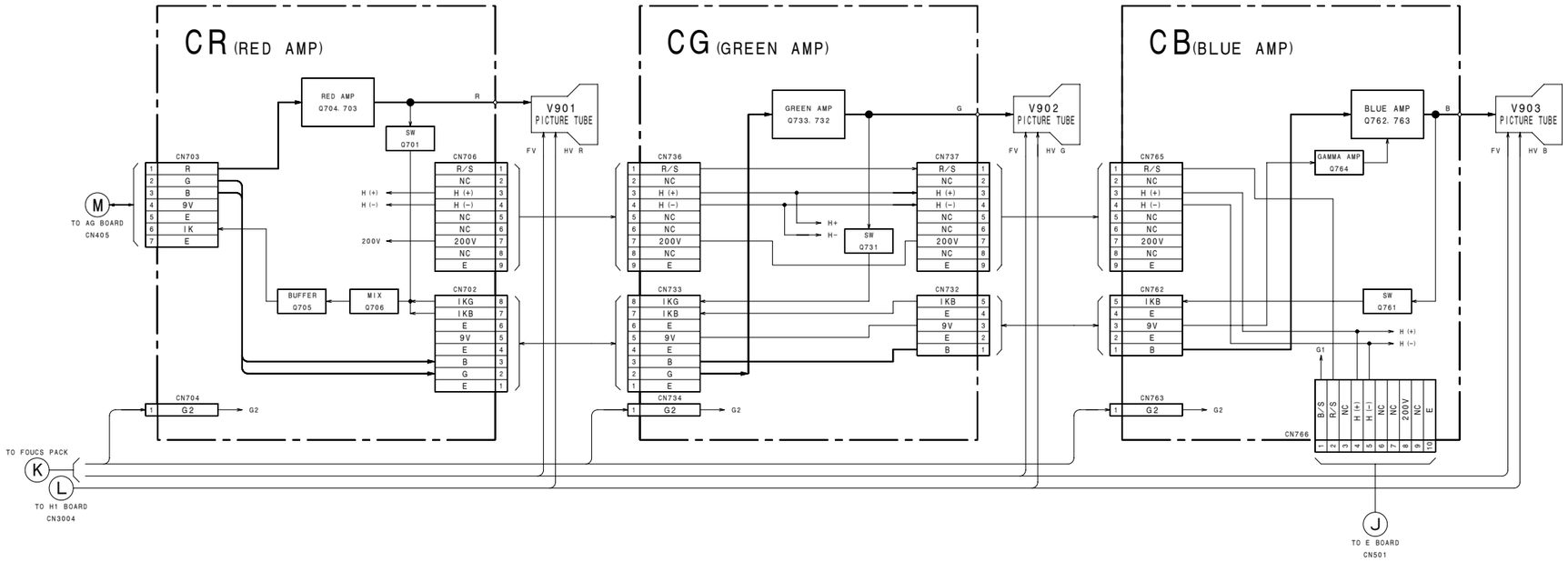
KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

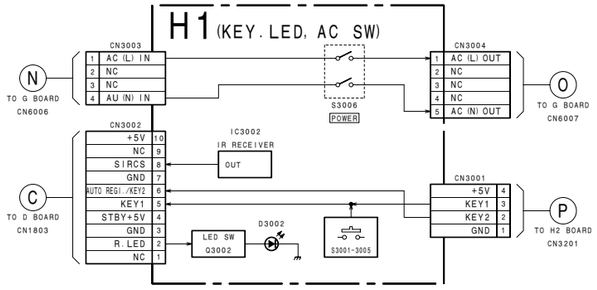


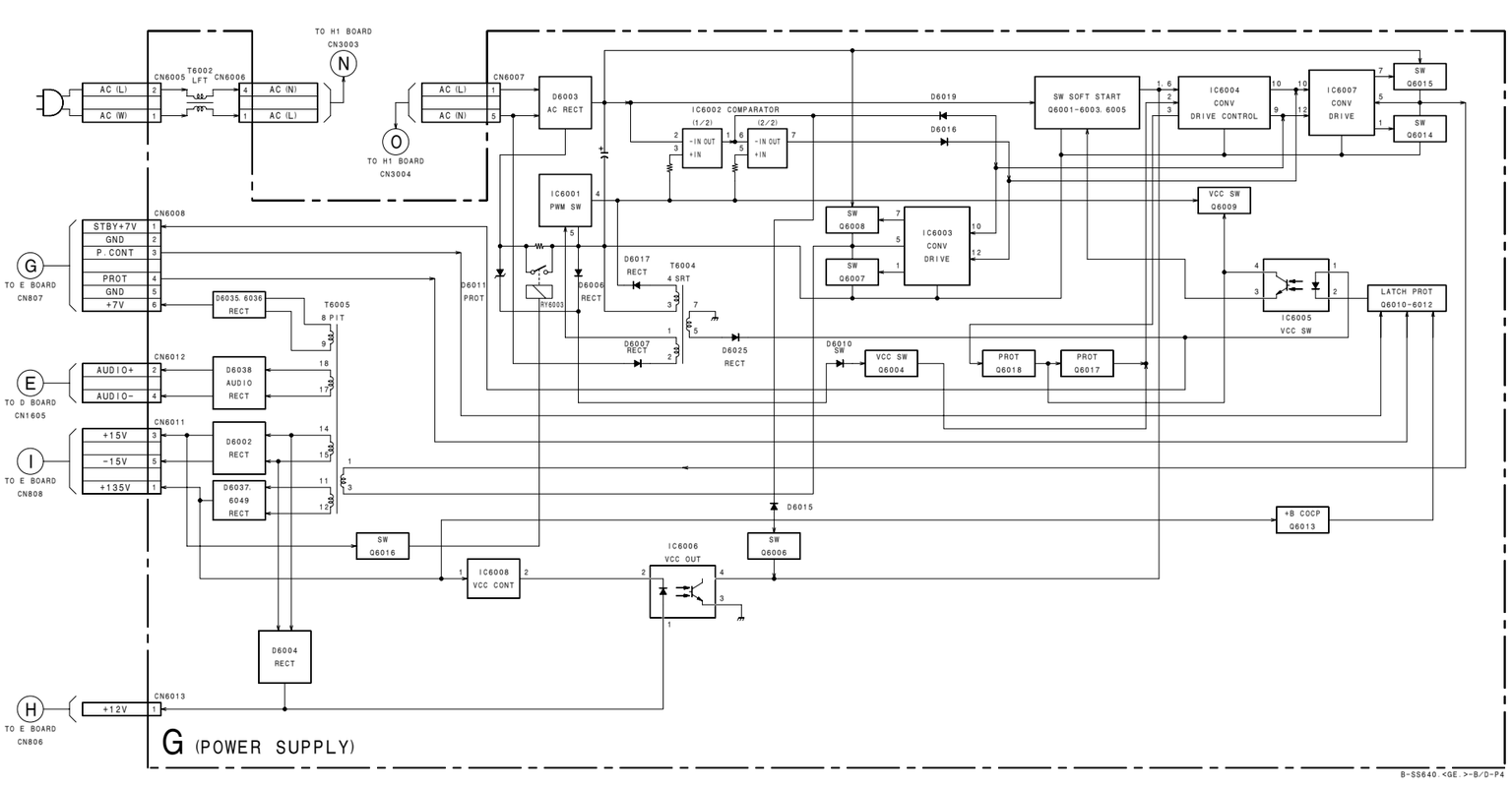
KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

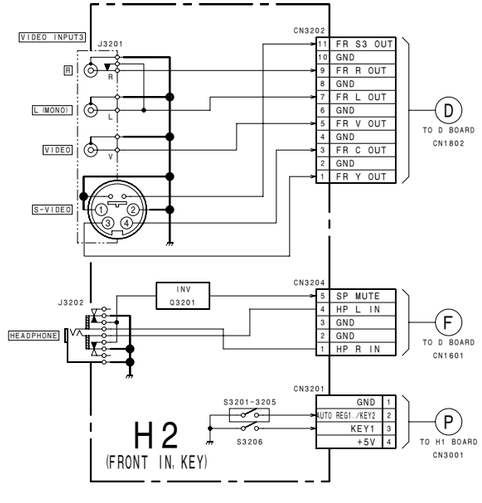


KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

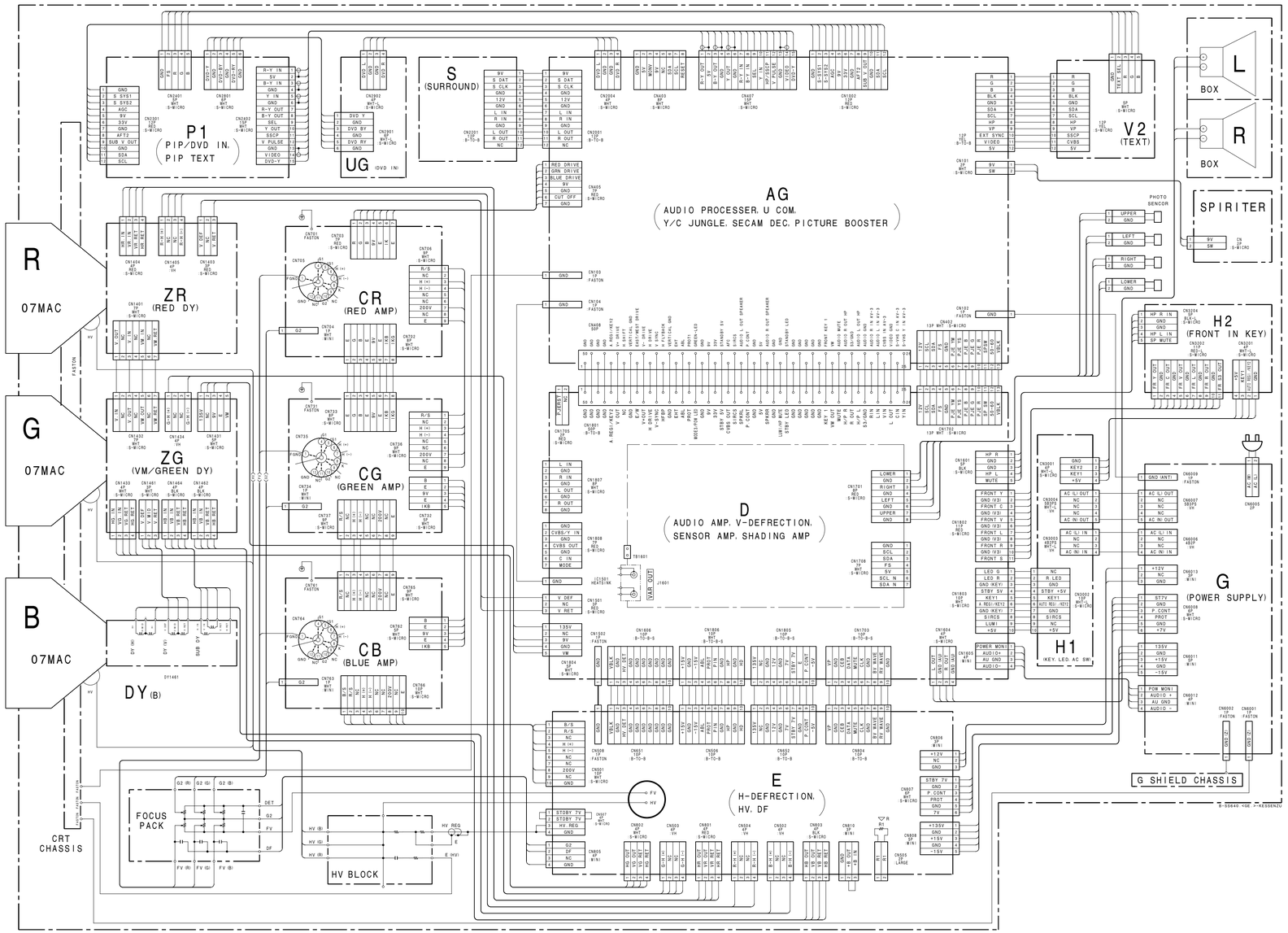


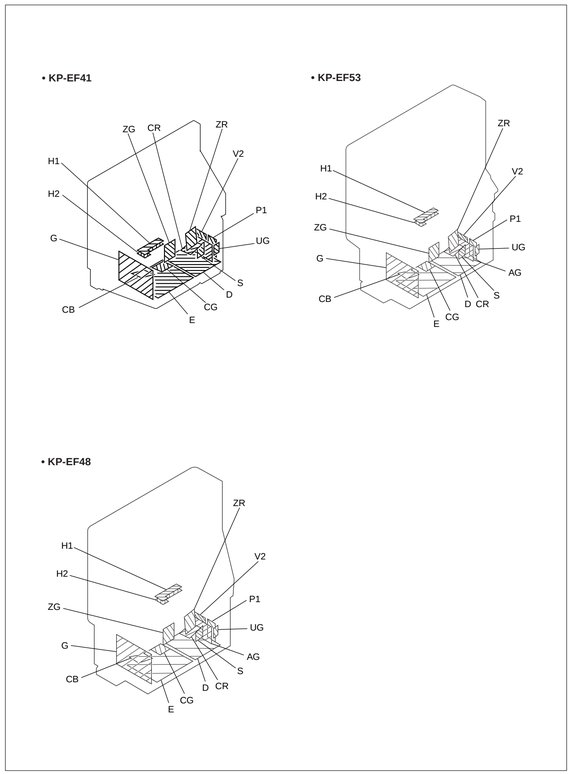



## 6-2. FRAME SCHEMATIC DIAGRAM




## 6-3. CIRCUIT BOARDS LOCATION



**AG** AUDIO PROCESSOR, μ COM, Y/C JUNGLE, SECAM DEC, PICTURE BOOSTER

## 6-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

**Note:**

- All capacitors are in μF unless otherwise noted. (pF: μμF) Capacitors without voltage indication are all 50 V.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

  Pitch: 5 mm
  Rating electrical power 1/4 W (CHIP : 1/10 W)

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth-ground.
- : earth-chassis.
- All voltages are in V.
- Readings are taken with a 10 M digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- ✻ : Can not be measured.
- NO MARK: Common
- < > : SECAM
- ( ) : NTSC 3.58 MHz
- Circled numbers are waveform references.
- : B + bus.
- : B – bus.
- : Signal path.

**Reference information**

| | | |
|---|---|---|
| RESISTOR | : RN | METAL FILM |
| | : RC | SOLID |
| | : FPRD | NONFLAMMABLE CARBON |
| | : FUSE | NONFLAMMABLE FUSIBLE |
| | : RW | NONFLAMMABLE WIREWOUND |
| | : RS | NONFLAMMABLE METAL OXIDE |
| | : RB | NONFLAMMABLE CEMENT |
| COIL | : LF-8L | MICRO INDUCTOR |
| CAPACITOR | : TA | TANTALUM |
| | : PS | STYROL |
| | : PP | POLYPROPYLENE |
| | : PT | MYLAR |
| | : MPS | METALIZED POLYESTER |
| | : MPP | METALIZED POLYPROPYLENE |
| | : ALB | BIPOLAR |
| | : ALT | HIGH TEMPERATURE |
| | : ALR | HIGH RIPPLE |

**Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.**

### Terminal name of semiconductors in silk screen printed circuit (✻)

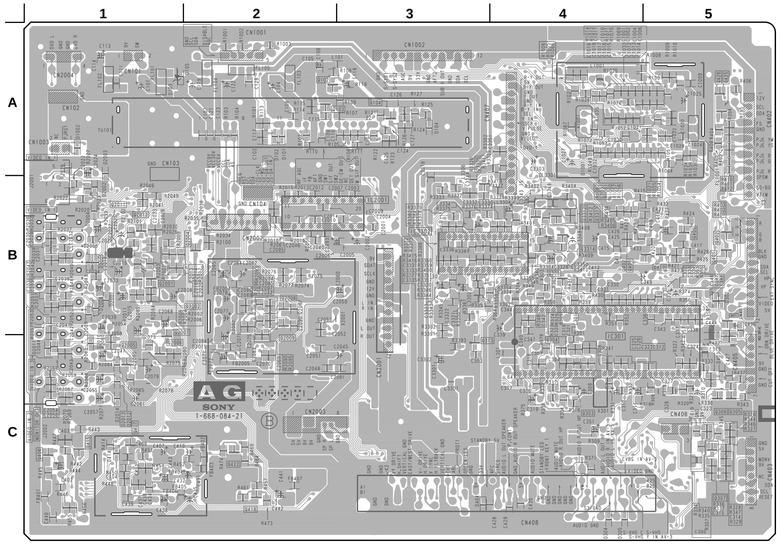
| | Device | Printed symbol | Terminal name | Circuit |
|---|---|---|---|---|
| ① | Transistor | T | Collector / Base / Emitter | |
| ② | Transistor | — | Collector / Base / Emitter | |
| ③ | Diode | | Cathode / Anode | |
| ④ | Diode | T | Cathode / Anode / (NC) | |
| ⑤ | Diode | — | Cathode / Anode / (NC) | |
| ⑥ | Diode | T | Common / Anode / Cathode | |
| ⑦ | Diode | — | Common / Anode / Cathode | |
| ⑧ | Diode | T | Common / Anode / Anode | |
| ⑨ | Diode | — | Common / Anode / Anode | |
| ⑩ | Diode | T | Common / Cathode / Cathode | |
| ⑪ | Diode | — | Common / Cathode / Cathode | |
| ⑫ | Diode | \| | Anode / Anode / Cathode / Cathode / Anode / Anode | |
| ⑬ | Transistor (FET) | \| | Drain / Source / Gate | |
| ⑭ | Transistor (FET) | ⊢ | Drain / Source / Gate | |
| ⑮ | Transistor (FET) | \| | D Source / D Drain / G Gate | |
| ⑯ | Transistor | \| | E Emitter / C Collector / B Base | |
| ⑰ | Transistor | | C1B1E1 / E2B2C2 | |
| ⑱ | Transistor | | C1B1E1C2 / E2B2C1 | |
| ⑲ | Transistor | — | C1 B2 E2 / E1 B1 C2 | |
| ⑳ | Transistor | — | C1 B2 E2 / E1 B1 C2 | |
| ㉑ | Transistor | — | E2 B1 E1 / C2 C1B2 | |
| ㉒ | Transistor | — | B2 / B1 E2 / C1 C2 | |
| ㉓ | Transistor | — | B2 / E1 B1 C2 | |
| – | Discrete semiconductot | | | |

(Chip semiconductors that are not actually used are included.)

ver.1.5



**— AG BOARD (Conductor Side) —**






**• AG BOARD SEMICONDUCTOR LOCATION**

**IC**

| | (Conductor Side) | (Component Side) |
|---|---|---|
| IC301 | B-4 | B-1 |
| IC401 | | C-5 |
| IC402 | | B-2 |
| IC403 | | B-1 |
| IC404 | | C-5 |
| IC1001 | | A-1 |
| IC1002 | | A-2 |
| IC1003 | | A-1 |
| IC2001 | B-3 | B-3 |
| IC2002 | | B-4 |
| IC2003 | | C-4 |
| IC2004 | | C-4 |
| IC2006 | | B-4 |

**TRANSISTOR**

| | (Conductor Side) | (Component Side) | ✻ |
|---|---|---|---|
| Q101 | | A-3 | ② |
| Q102 | A-2 | | ① |
| Q103 | A-2 | | ① |
| Q104 | A-3 | | ① |
| Q301 | | C-2 | ② |
| Q303 | C-4 | | ① |
| Q304 | C-4 | | ① |
| Q308 | B-4 | | ① |
| Q309 | | B-1 | ② |
| Q310 | | C-1 | ② |
| Q311 | | C-2 | ② |
| Q312 | | C-1 | ② |
| Q313 | C-3 | | ① |
| Q401 | B-5 | | ① |
| Q402 | B-5 | | ① |
| Q403 | | B-1 | ② |
| Q404 | | B-1 | ② |
| Q405 | | B-1 | ② |
| Q406 | C-1 | | ① |
| Q407 | C-1 | | ① |
| Q408 | B-4 | | ① |
| Q409 | B-5 | | ① |
| Q410 | B-5 | | ① |
| Q412 | | B-2 | ② |
| Q414 | | C-5 | ② |
| Q415 | C-1 | | ① |
| Q416 | | C-4 | ② |
| Q417 | | C-4 | ② |
| Q418 | C-2 | | ① |
| Q419 | | C-4 | ② |
| Q420 | | C-4 | ② |
| Q421 | | C-4 | ② |
| Q422 | C-2 | | ① |
| Q423 | | C-4 | ② |
| Q425 | A-5 | | ① |
| Q426 | A-5 | | ① |
| Q2001 | B-1 | | ① |
| Q2002 | B-1 | | ① |
| Q2003 | | B-5 | ② |
| Q2004 | B-2 | | ① |
| Q2005 | C-1 | | ① |
| Q2006 | C-1 | | ① |
| Q2007 | B-1 | | ① |
| Q2008 | B-2 | | ① |
| Q2009 | B-2 | | ① |
| Q2010 | | B-4 | ② |
| Q2011 | B-1 | B-5 | ~ |
| Q2012 | B-1 | | ① |

**DIODE**

| | (Conductor Side) | (Component Side) | ✻ |
|---|---|---|---|
| D101 | A-2 | | ② |
| D102 | A-2 | | ② |
| D104 | A-3 | | ② |
| D105 | A-1 | | ② |
| D301 | B-5 | | ② |
| D306 | | C-1 | ② |
| D307 | C-1 | | ② |
| D401 | | A-1 | ② |
| D402 | B-4 | | ② |
| D403 | C-5 | | ② |
| D414 | C-1 | | ② |
| D2001 | | B-5 | ② |
| D2002 | B-1 | | ② |
| D2003 | A-1 | | ② |
| D2004 | B-1 | | ② |
| D2006 | B-1 | | ② |
| D2006 | B-1 | | ② |
| D2007 | B-1 | | ② |
| D2008 | B-1 | | ② |
| D2009 | B-1 | | ② |
| D2010 | B-1 | | ② |
| D2011 | C-1 | | ② |
| D2012 | C-1 | | ② |
| D2013 | C-1 | | ② |
| D2014 | C-1 | | ② |
| D2015 | C-2 | | ② |

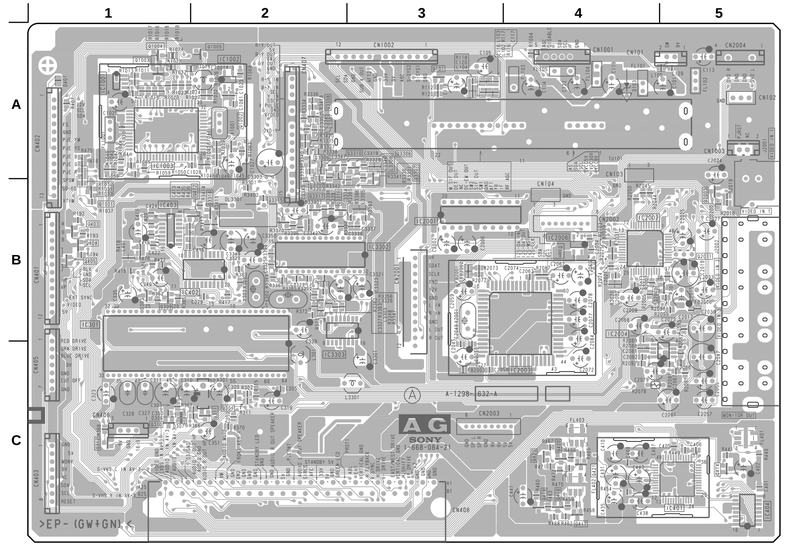
**CRYSTAL**

| | (Conductor Side) | (Component Side) |
|---|---|---|
| X301 | C-4 | C-2 |
| X302 | B-4 | B-2 |
| X303 | B-4 | B-2 |
| X1001 | A-4 | A-2 |
| X2001 | B-2 | B-3 |

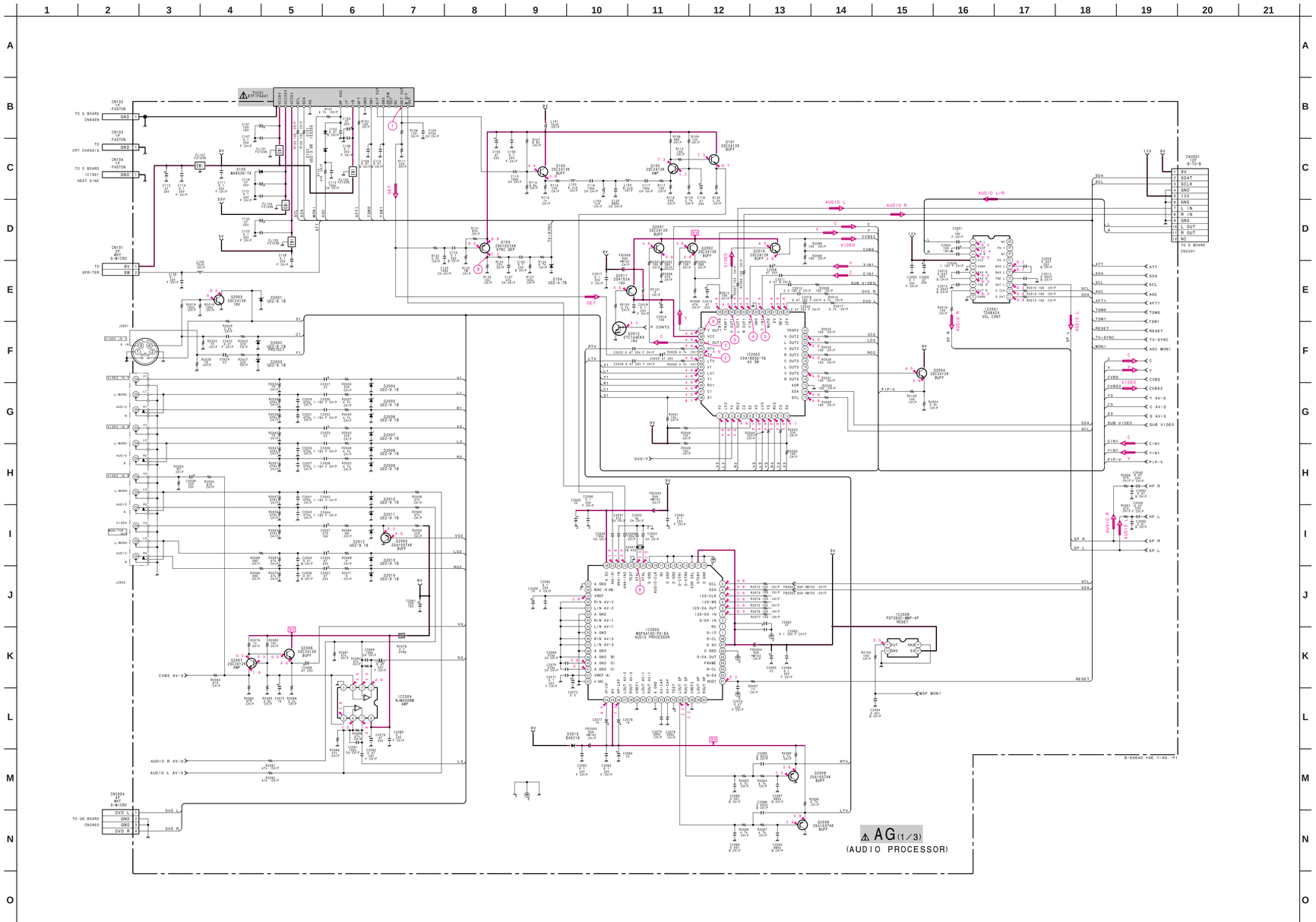
✻: **Refer to Terminal name of semiconductors in silk screen printed circuit (see page 63)**



**— AG BOARD (Component Side) —**



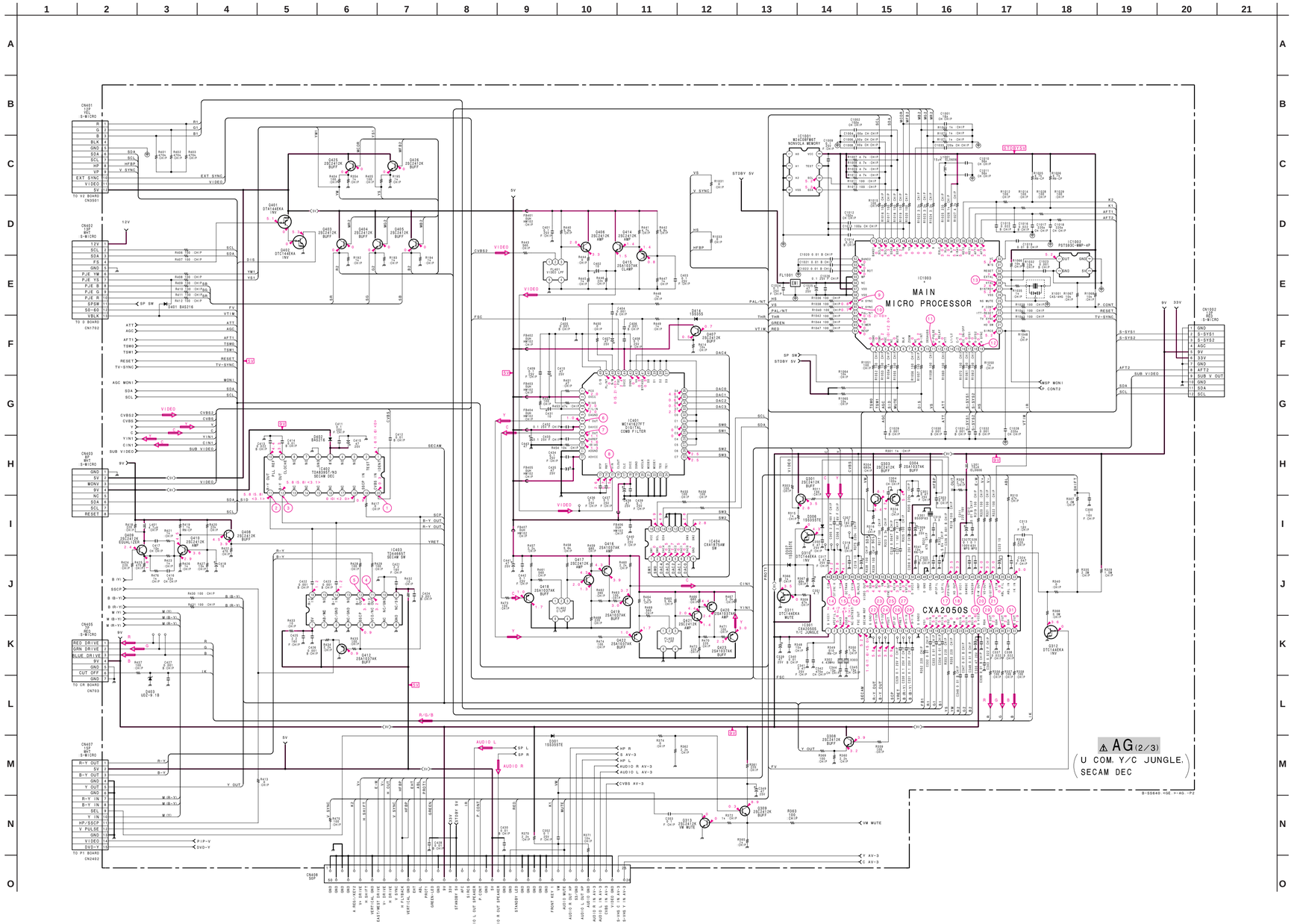
(1) Schematic Diagram of AG (1/3) Board




• AG (1/3) BOARD WAVEFORMS

| | | | | | |
|---|---|---|---|---|---|
| ① PAL 1.4 Vp-p (H) | ① NTSC 1.6 Vp-p (H) | ① SECAM 1.5 Vp-p (H) | ② PAL 0.9 Vp-p (H) | ② NTSC 1.0 Vp-p (H) | ② SECAM 1.0 Vp-p (H) |
| ③ PAL 0.9 Vp-p (H) | ③ NTSC 1.5 Vp-p (H) | ③ SECAM 2.2 Vp-p (H) | ④ PAL 1.5 Vp-p (H) | ④ NTSC 1.8 Vp-p (H) | ④ SECAM 1.7 Vp-p (H) |
| ⑤ PAL 1.8 Vp-p (H) | ⑤ NTSC 2.0 Vp-p (H) | ⑤ SECAM 1.7 Vp-p (H) | ⑥ PAL 1.5 Vp-p (H) | ⑥ NTSC 1.7 Vp-p (H) | ⑥ SECAM 1.7 Vp-p (H) |
| ⑦ PAL 0.9 Vp-p (H) | ⑦ NTSC 1.6 Vp-p (H) | ⑦ SECAM 2.3 Vp-p (H) | ⑧ 1.4 Vp-p (18.432 MHz) | ⑨ 8.4 Vp-p (H) | |

(2) Schematic Diagram of AG (2/3) Board




• AG BOARD ✳ MARK LIST

| Ref No. | GE / HK / AUS MODEL | ME MODEL |
|---|---|---|
| IC1003 | CXP85452-214Q-TL | CXP85452-215Q-TL |

• AG (2/3) BOARD WAVEFORMS

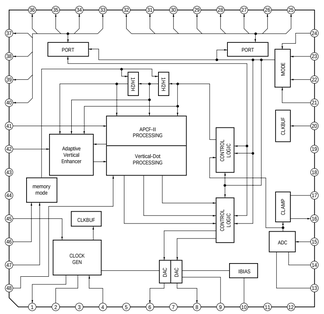
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ① PAL<br>0.9 Vp-p (H) | ① NTSC<br>1.0 Vp-p (H) | ① SECAM<br>0.9 Vp-p (H) | ② <br>PAL : 0.6 Vp-p (H)<br>SECAM : 1.1 Vp-p (H) | ② NTSC<br>0.7 Vp-p (H) | ③ <br>PAL : 0.7 Vp-p (H)<br>SECAM : 1.5 Vp-p (H) | ③ NTSC<br>0.8 Vp-p (H) | ④ PAL/SECAM<br>1.1 Vp-p (H) |
| ④ NTSC<br>1.3 Vp-p (H) | ⑤ PAL/SECAM<br>1.4 Vp-p (H) | ⑤ NTSC<br>1.6 Vp-p (H) | ⑥ PAL<br>0.9 Vp-p (H) | ⑥ NTSC<br>1.0 Vp-p (H) | ⑥ SECAM<br>1.0 Vp-p (H) | ⑦ PAL<br>0.5 Vp-p (H) | ⑦ NTSC<br>0.6 Vp-p (H) |
| ⑦ SECAM<br>1.0 Vp-p (H) | ⑧ PAL<br>1.5 Vp-p (H) | ⑧ NTSC<br>1.8 Vp-p (H) | ⑧ SECAM<br>1.6 Vp-p (H) | ⑨ <br>4.6 Vp-p (H) | ⑩ <br>5.3 Vp-p (V) | ⑪ <br>5.3 Vp-p (V) | ⑫ <br>4.6 Vp-p (H) |
| ⑬ <br>5.0 Vp-p (4MHz) | ⑭ PAL<br>0.5 Vp-p (H) | ⑭ NTSC<br>1.0 Vp-p (H) | ⑭ SECAM<br>1.2 Vp-p (H) | ⑮ PAL<br>0.8 Vp-p (H) | ⑮ NTSC<br>1.0 Vp-p (H) | ⑮ SECAM<br>1.0 Vp-p (H) | ⑯ PAL<br>0.9 Vp-p (H) |
| ⑯ NTSC<br>1.0 Vp-p (H) | ⑯ SECAM<br>1.0 Vp-p (H) | ⑰ <br>4.8 Vp-p (H) | ⑱ <br>4.9 Vp-p (H) | ⑲ <br>0.5 Vp-p (V) | ⑳ <br>1.3 Vp-p (V) | ㉑ <br>1.3 Vp-p (V) | ㉒ <br>PAL : 0.6 Vp-p (H)<br>SECAM : 1.1 Vp-p (H) |
| ㉒ NTSC<br>0.7 Vp-p (H) | ㉓ <br>PAL : 0.7 Vp-p (H)<br>SECAM : 1.5 Vp-p (H) | ㉓ NTSC<br>0.8 Vp-p (H) | ㉔ PAL/SECAM<br>1.0 Vp-p (H) | ㉔ NTSC<br>1.1 Vp-p (H) | ㉕ PAL/SECAM<br>4.5 Vp-p (H) | ㉖ PAL/SECAM<br>0.9 Vp-p (H) | ㉖ NTSC<br>1.1 Vp-p (H) |
| ㉗ PAL/SECAM<br>1.1 Vp-p (H) | ㉗ NTSC<br>1.3 Vp-p (H) | ㉘ PAL/SECAM<br>1.4 Vp-p (H) | ㉘ NTSC<br>1.6 Vp-p (H) | ㉙ PAL/SECAM<br>3.4 Vp-p (H) | ㉙ NTSC<br>4.2 Vp-p (H) | ㉚ PAL/SECAM<br>3.4 Vp-p (H) | ㉚ NTSC<br>3.8 Vp-p (H) |
| ㉛ PAL/SECAM<br>3.4 Vp-p (H) | ㉛ NTSC<br>3.8 Vp-p (H) | | | | | | |

Schematic diagram
← AG (1/3) board
– 71 –
Schematic diagrams
AG (2/3) board →
– 72 –
– 73 –
– 74 –

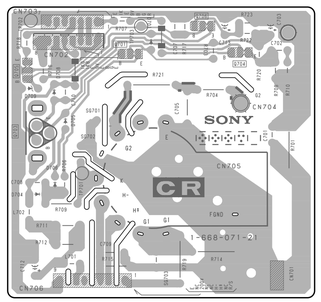
## (3) Schematic Diagrams of AG (3/3), CB, CG and CR Boards

**CR** [RED AMP] **CG** [GREEN AMP] **CB** [BLUE AMP]

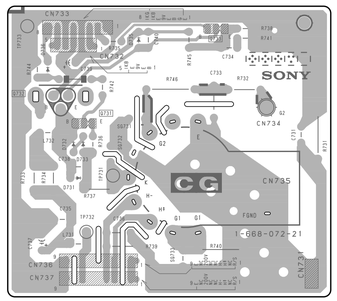
• **AG (2/3) BOARD IC401 MC141627FT**



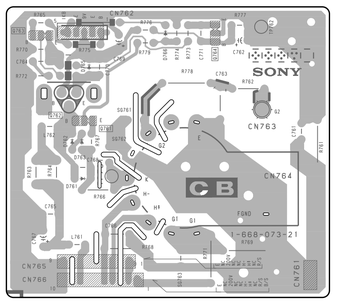

— CR BOARD —

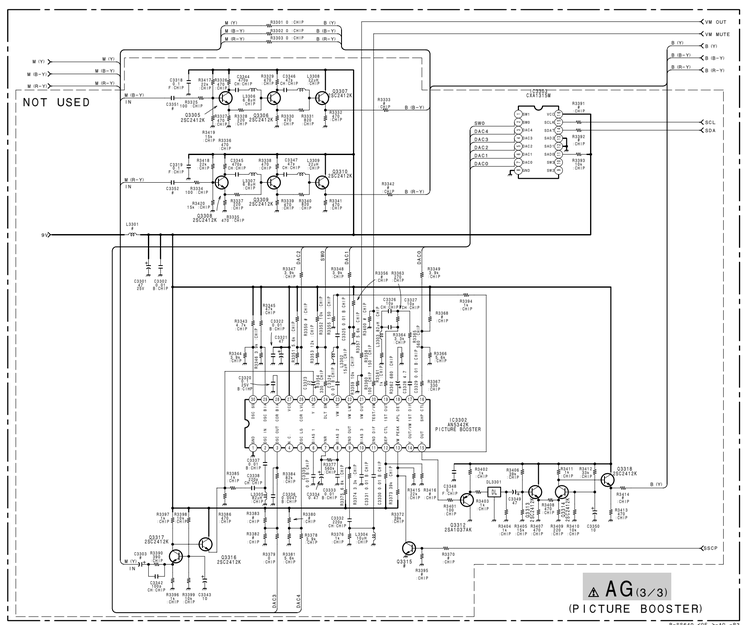



— CG BOARD —



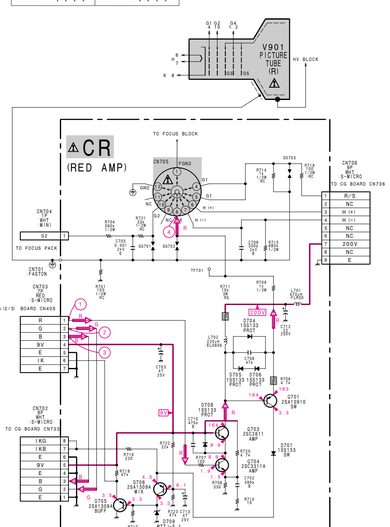

— CB BOARD —



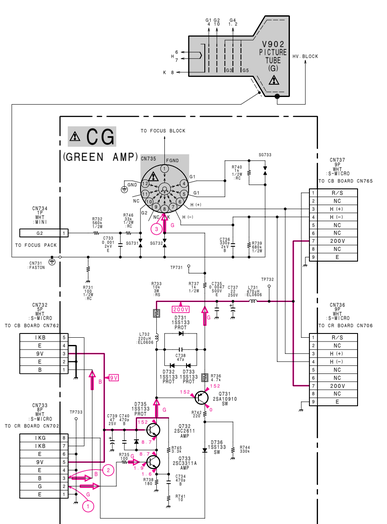

• **CR BOARD WAVEFORMS**

| | |
|---|---|
| ① PAL/SECAM | ① NTSC |
| 3.5 Vp-p (H) | 4.4 Vp-p (H) |
| ② PAL/SECAM | ② NTSC |
| 3.5 Vp-p (H) | 3.8 Vp-p (H) |
| ③ PAL/SECAM | ③ NTSC |
| 3.6 Vp-p (H) | 3.8 Vp-p (H) |
| ④ PAL/SECAM | ④ NTSC |
| 94.0 Vp-p (H) | 117 Vp-p (H) |



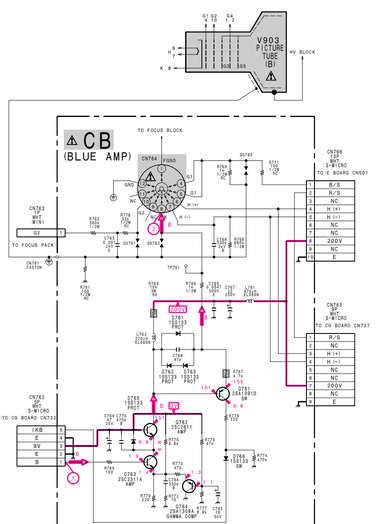

• **CG BOARD WAVEFORMS**

| | |
|---|---|
| ① PAL/SECAM | ① NTSC |
| 3.5 Vp-p (H) | 3.6 Vp-p (H) |
| ② PAL/SECAM | ② NTSC |
| 3.5 Vp-p (H) | 3.8 Vp-p (H) |
| ③ PAL/SECAM | ③ NTSC |
| 126 Vp-p (H) | 139 Vp-p (H) |

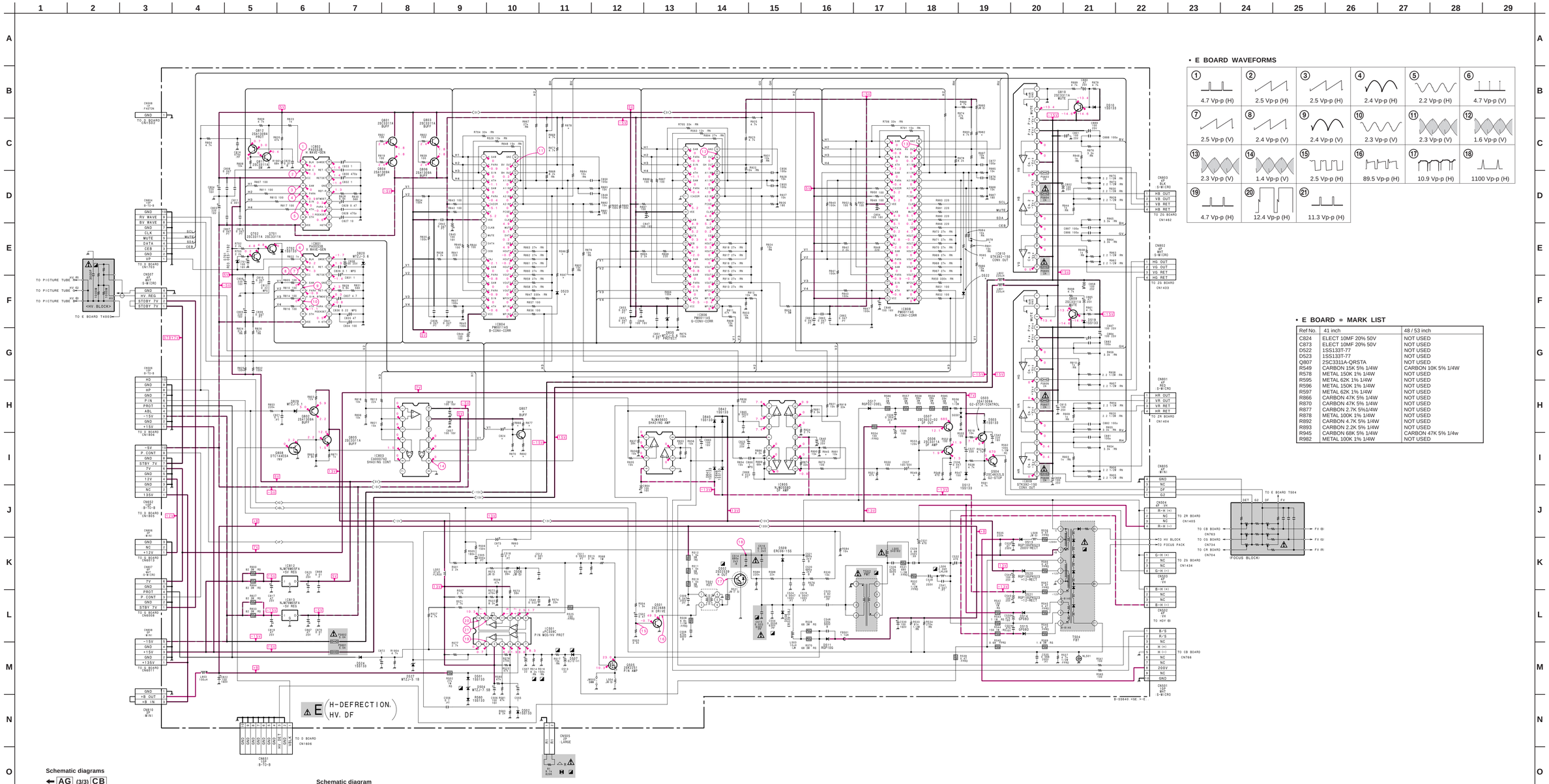



• **CB BOARD WAVEFORMS**

| | |
|---|---|
| ① PAL/SECAM | ① NTSC |
| 3.5 Vp-p (H) | 3.7 Vp-p (H) |
| ② PAL/SECAM | ② NTSC |
| 117 Vp-p (H) | 125 Vp-p (H) |



## (4) Schematic Diagram of E Board



### • E BOARD WAVEFORMS

| | | | | | |
|---|---|---|---|---|---|
| ① 4.7 Vp-p (H) | ② 2.5 Vp-p (H) | ③ 2.5 Vp-p (H) | ④ 2.4 Vp-p (H) | ⑤ 2.2 Vp-p (H) | ⑥ 4.7 Vp-p (V) |
| ⑦ 2.5 Vp-p (V) | ⑧ 2.4 Vp-p (V) | ⑨ 2.4 Vp-p (V) | ⑩ 2.3 Vp-p (V) | ⑪ 2.3 Vp-p (V) | ⑫ 1.6 Vp-p (V) |
| ⑬ 2.3 Vp-p (V) | ⑭ 1.4 Vp-p (V) | ⑮ 2.5 Vp-p (H) | ⑯ 89.5 Vp-p (H) | ⑰ 10.9 Vp-p (H) | ⑱ 1100 Vp-p (H) |
| ⑲ 4.7 Vp-p (H) | ⑳ 12.4 Vp-p (H) | ㉑ 11.3 Vp-p (H) | | | |

### • E BOARD ✱ MARK LIST

| Ref No. | 41 inch | 48 / 53 inch |
|---|---|---|
| C824 | ELECT 10MF 20% 50V | NOT USED |
| C873 | ELECT 10MF 20% 50V | NOT USED |
| D522 | 1SS133T-77 | NOT USED |
| D523 | 1SS133T-77 | NOT USED |
| Q807 | 2SC3311A-QRSTA | NOT USED |
| R549 | CARBON 15K 5% 1/4W | CARBON 10K 5% 1/4W |
| R578 | METAL 150K 1% 1/4W | NOT USED |
| R595 | METAL 62K 1% 1/4W | NOT USED |
| R596 | METAL 150K 1% 1/4W | NOT USED |
| R597 | METAL 62K 1% 1/4W | NOT USED |
| R866 | CARBON 47K 5% 1/4W | NOT USED |
| R870 | CARBON 47K 5% 1/4W | NOT USED |
| R877 | CARBON 2.7K 5%1/4W | NOT USED |
| R878 | METAL 100K 1% 1/4W | NOT USED |
| R892 | CARBON 4.7K 5% 1/4W | NOT USED |
| R893 | CARBON 2.2K 5% 1/4W | NOT USED |
| R945 | CARBON 68K 5% 1/4W | CARBON 47K 5% 1/4W |
| R982 | METAL 100K 1% 1/4W | NOT USED |

**Schematic diagrams**

← AG (3/3) CB
CG CR boards

**Schematic diagram**

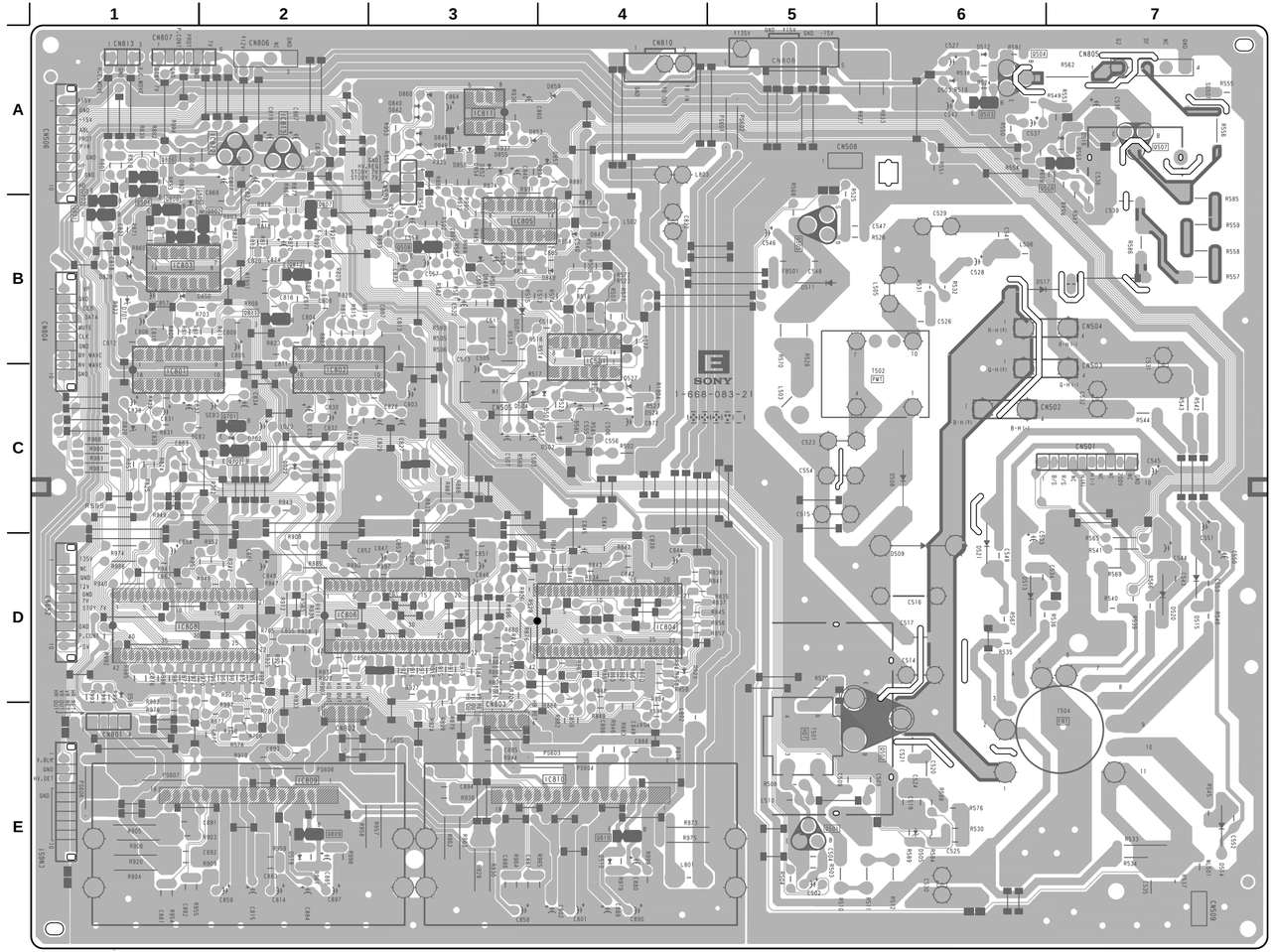
E board →

KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

**E** [H-DEFRECTION, HV, DF]

**— E BOARD —**



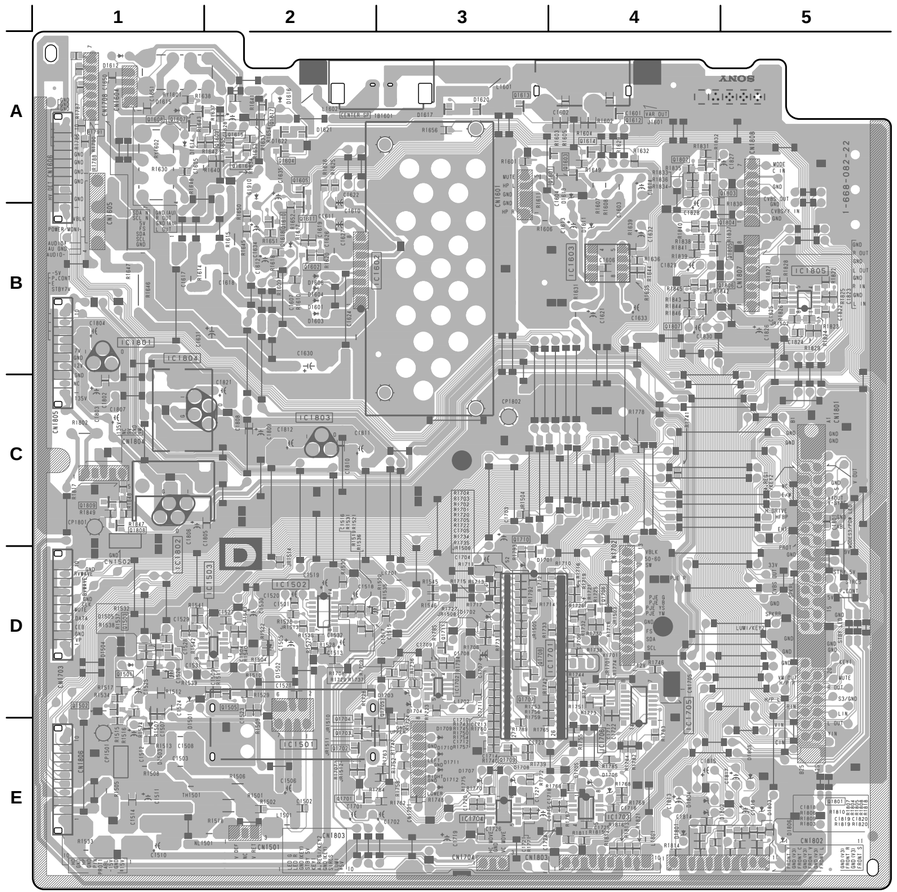

**• E BOARD SEMICONDUCTOR LOCATION**

| IC | | Q810 | E-4 |
|---|---|---|---|
| | | Q811 | B-2 |
| IC501 | B-3 | Q812 | B-2 |
| IC801 | B-1 | | |
| IC802 | B-2 | DIODE | |
| IC803 | B-1 | | |
| IC804 | D-4 | | * |
| IC805 | B-3 | D501 | B-3 – |
| IC806 | D-2 | D502 | C-3 – |
| IC808 | D-1 | D503 | A-5 – |
| IC809 | E-2 | D504 | B-3 – |
| IC810 | E-3 | D507 | B-3 – |
| IC811 | A-3 | D508 | C-5 – |
| IC812 | A-2 | D509 | C-5 – |
| IC813 | A-2 | D510 | E-4 – |
| | | D511 | B-5 – |
| TRANSISTOR | | D512 | A-6 – |
| | | D513 | C-6 – |
| | * | D514 | E-7 – |
| Q501 | E-5 | D515 | C-7 – |
| Q502 | D-5 | D517 | B-6 – |
| Q503 | A-6 | D519 | E-2 – |
| Q504 | A-6 | D520 | C-7 – |
| Q505 | B-5 | D521 | C-6 – |
| Q506 | A-6 | D522 | C-2 – |
| Q507 | A-6 | D523 | D-4 – |
| Q701 | C-2 | D524 | C-4 – |
| Q702 | C-2 | D527 | B-4 – |
| Q801 | A-1 | D701 | B-1 – |
| Q802 | B-1 | D702 | C-2 – |
| Q803 | A-1 | D820 | C-1 – |
| Q804 | A-1 | D829 | A-1 – |
| Q805 | B-1 | D835 | C-3 – |
| Q806 | A-1 | D840 | A-3 – |
| Q807 | A-2 | D842 | A-3 – |
| Q808 | A-1 | D845 | A-3 – |
| Q809 | E-2 | D846 | A-3 – |

∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 63)

**D** AUDIO AMP, V-DEFRECTION, SENCOR AMP, SHADING AMP

**— D BOARD (Conductor Side) —**






KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

**• D BOARD SEMICONDUCTOR LOCATION**

IC

| | (Conductor Side) | (Component Side) |
|---|---|---|
| IC1501 | E-2 | D-4 |
| IC1502 | D-2 | |
| IC1503 | D-2 | |
| IC1602 | B-2 | B-4 |
| IC1603 | B-4 | B-2 |
| IC1701 | D-3 | D-3 |
| IC1702 | D-3 | |
| IC1703 | E-4 | |
| IC1704 | E-3 | |
| IC1706 | D-4 | |
| IC1801 | B-1 | B-5 |
| IC1802 | C-1 | C-5 |
| IC1803 | C-2 | C-4 |
| IC1804 | C-1 | C-4 |
| IC1805 | B-5 | |

TRANSISTOR

| | (Conductor Side) | (Component Side) ✻ |
|---|---|---|
| Q1501 | D-1 | ① |
| Q1502 | D-1 | ① |
| Q1503 | D-1 | ① |
| Q1505 | D-2 | ① |
| Q1601 | A-4 | ① |
| Q1602 | B-2 | ① |
| Q1603 | A-4 | ① |
| Q1604 | A-2 | ① |
| Q1605 | A-2 | ① |
| Q1607 | A-1 | ① |
| Q1608 | A-1 | ① |
| Q1609 | A-2 | ① |
| Q1610 | B-2 | ① |
| Q1611 | B-2 | ① |
| Q1612 | A-4 | ① |
| Q1613 | A-3 | ① |
| Q1614 | A-4 | ① |
| Q1615 | A-2 | ① |
| Q1616 | A-2 | ① |
| Q1617 | A-2 | ① |
| Q1701 | E-2 | ① |
| Q1702 | E-2 | ① |
| Q1703 | E-2 | ① |
| Q1704 | D-2 | ① |
| Q1705 | D-2 | ① |
| Q1706 | D-4 | ① |
| Q1707 | D-3 | ① |
| Q1708 | D-3 | ① |
| Q1709 | E-3 | ① |
| Q1710 | C-3 | ① |
| Q1711 | D-3 | ① |
| Q1801 | E-4 | ① |
| Q1802 | A-4 | ① |
| Q1803 | A-4 | ① |
| Q1804 | B-4 | ① |
| Q1805 | B-4 | ① |
| Q1806 | B-4 | ① |
| Q1807 | B-4 | ① |
| Q1808 | C-1 | ① |
| Q1809 | C-1 | ① |

DIODE

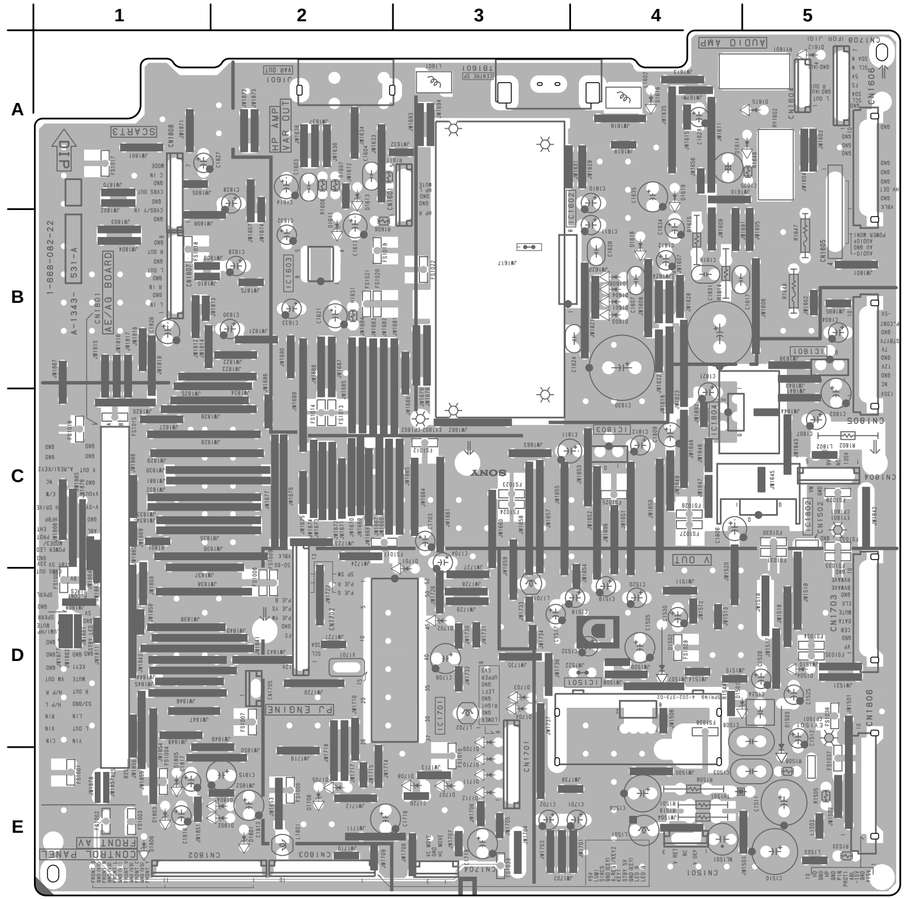
| | (Conductor Side) | (Component Side) ✻ | |
|---|---|---|---|
| D1501 | D-1 | D-4 | – |
| D1502 | D-2 | D-4 | – |
| D1503 | D-1 | D-5 | – |
| D1504 | D-1 | D-5 | – |
| D1505 | D-1 | | ③ |
| D1601 | B-2 | B-4 | – |
| D1603 | B-2 | B-4 | – |
| D1604 | B-2 | B-4 | – |
| D1606 | B-2 | B-4 | – |
| D1611 | B-4 | B-2 | – |
| D1612 | A-1 | A-5 | – |
| D1613 | A-4 | A-2 | – |
| D1614 | A-1 | A-4 | – |
| D1615 | A-1 | A-5 | – |
| D1616 | A-2 | A-4 | – |
| D1617 | A-3 | | ④ |
| D1618 | B-2 | B-4 | – |
| D1619 | A-2 | A-4 | – |
| D1620 | A-3 | | ④ |
| D1621 | A-2 | | ④ |
| D1622 | A-2 | | ④ |
| D1703 | D-3 | D-3 | – |
| D1704 | D-3 | D-3 | – |
| D1705 | E-4 | E-2 | – |
| D1706 | E-4 | E-2 | – |
| D1707 | E-3 | E-3 | – |
| D1708 | E-3 | E-3 | – |
| D1709 | E-3 | E-3 | – |
| D1710 | E-3 | E-3 | – |
| D1711 | E-3 | E-3 | – |
| D1712 | E-3 | E-3 | – |
| D1801 | E-4 | E-2 | – |
| D1802 | E-4 | E-2 | – |
| D1803 | E-5 | E-1 | – |
| D1804 | E-4 | E-2 | – |
| D1805 | E-5 | E-1 | – |
| D1806 | E-5 | E-1 | – |

✻: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 63)

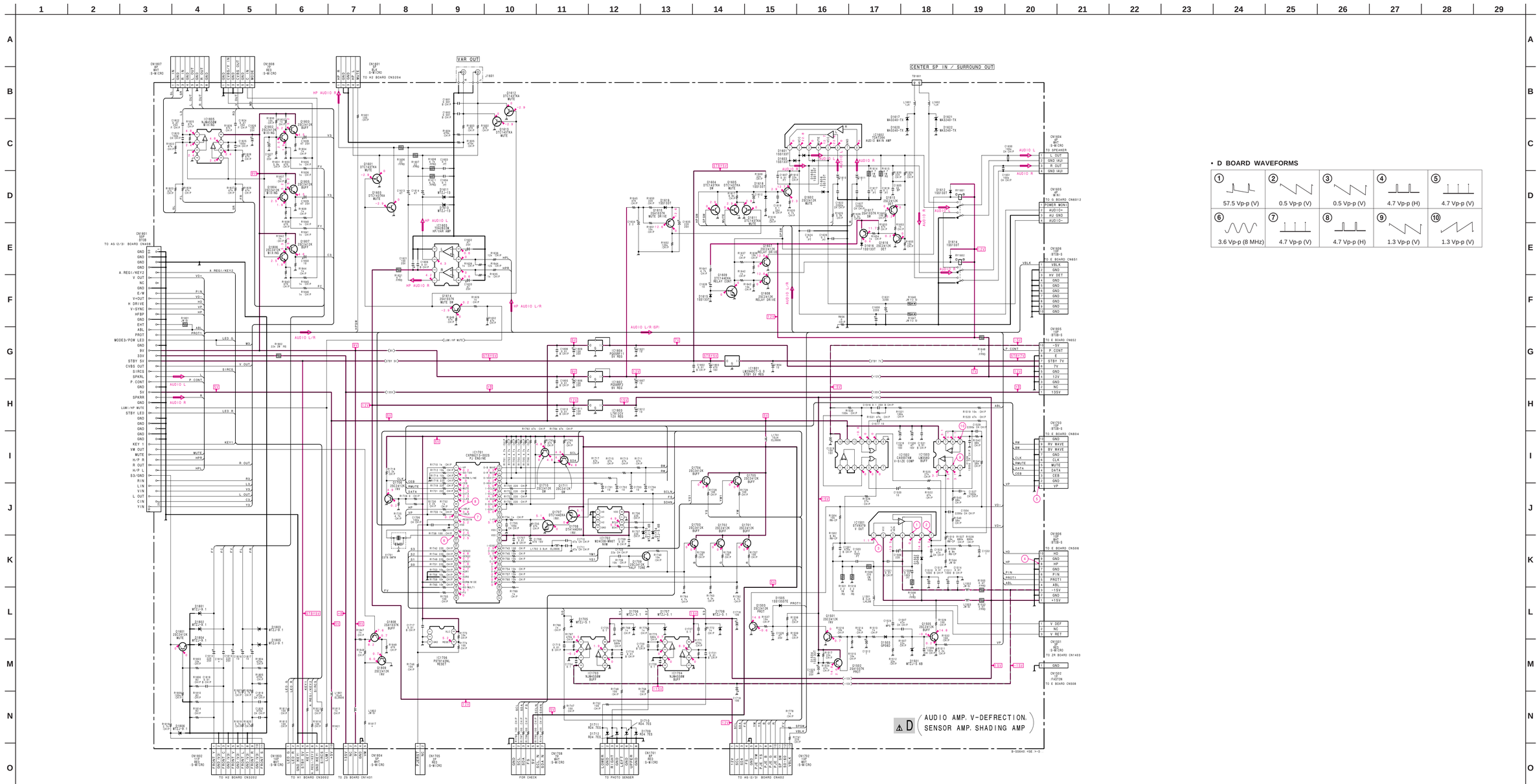


KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

**— D BOARD (Component Side) —**



**(5) Schematic Diagram of D Board**

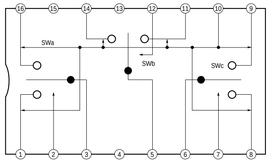



• D BOARD WAVEFORMS

| ① | ② | ③ | ④ | ⑤ |
|---|---|---|---|---|
| 57.5 Vp-p (V) | 0.5 Vp-p (V) | 0.5 Vp-p (V) | 4.7 Vp-p (H) | 4.7 Vp-p (V) |
| ⑥ | ⑦ | ⑧ | ⑨ | ⑩ |
| 3.6 Vp-p (8 MHz) | 4.7 Vp-p (V) | 4.7 Vp-p (H) | 1.3 Vp-p (V) | 1.3 Vp-p (V) |

## (3) Schematic Diagrams of AG (3/3), CB, CG and CR Boards

### • P1 BOARD IC2406 BA7606F

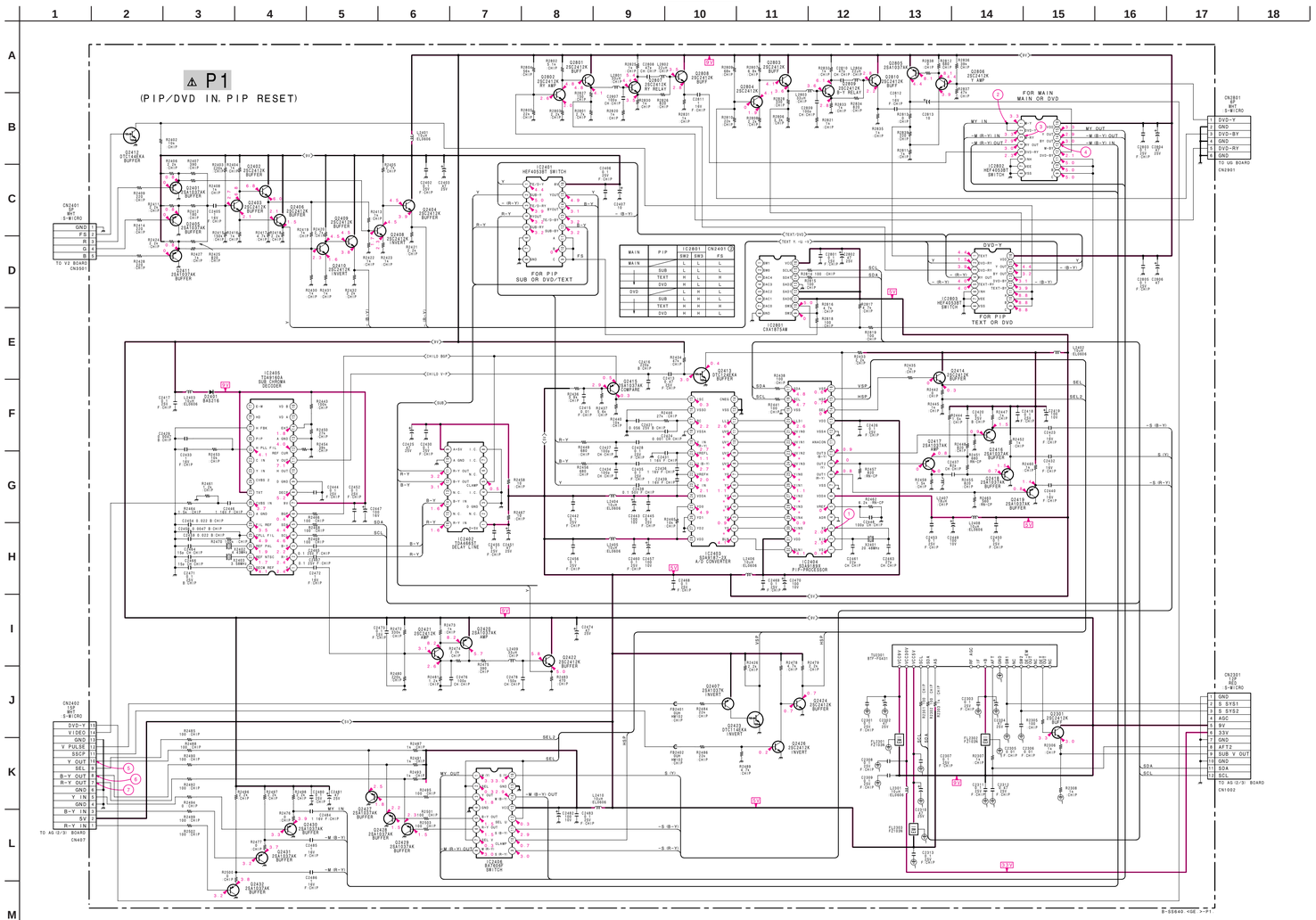


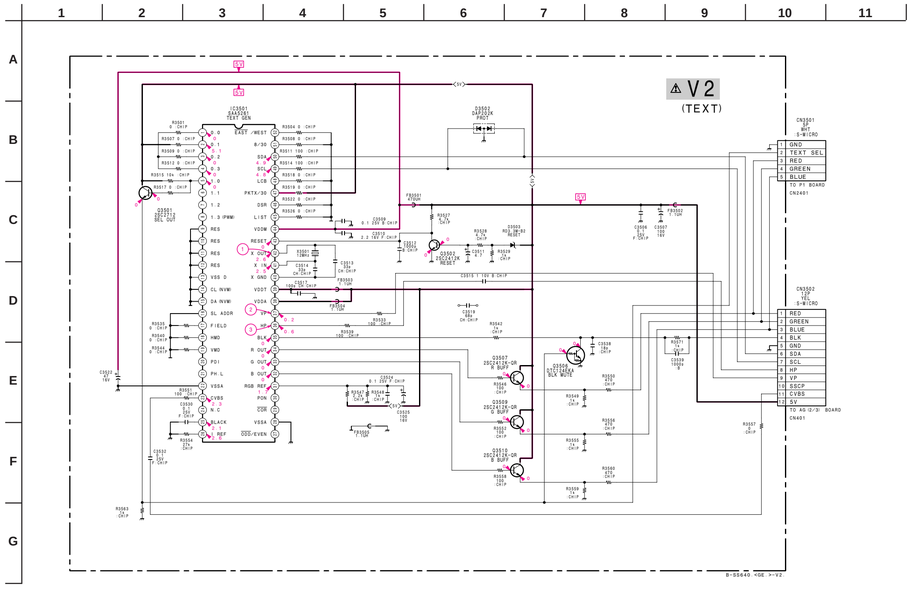

### • P1 BOARD WAVEFORMS

| | | | | | |
|---|---|---|---|---|---|
| ① 2.5 Vp-p (20.48MHz) | ② PAL/SECAM 1.2 Vp-p (H) | ② NTSC 1.2 Vp-p (H) | ③ PAL/SECAM 1.0 Vp-p (H) | ③ NTSC 1.4 Vp-p (H) | ④ PAL/SECAM 1.3 Vp-p (H) |
| ④ NTSC 1.6 Vp-p (H) | ⑤ PAL/SECAM 1.2 Vp-p (H) | ⑤ NTSC 1.2 Vp-p (H) | ⑥ PAL/SECAM 1.3 Vp-p (H) | ⑥ NTSC 1.6 Vp-p (H) | ⑦ PAL/SECAM 1.0 Vp-p (H) |
| ⑦ NTSC 1.3 Vp-p (H) | | | | | |

### • V2 BOARD WAVEFORMS

| |
|---|
| ① 4.3 Vp-p (12MHz) |
| ② 4.7 Vp-p (V) |
| ③ 4.7 Vp-p (H) |




Schematic diagram
◀ D board

– 93 –

Schematic diagrams
P1 V2 board ▶

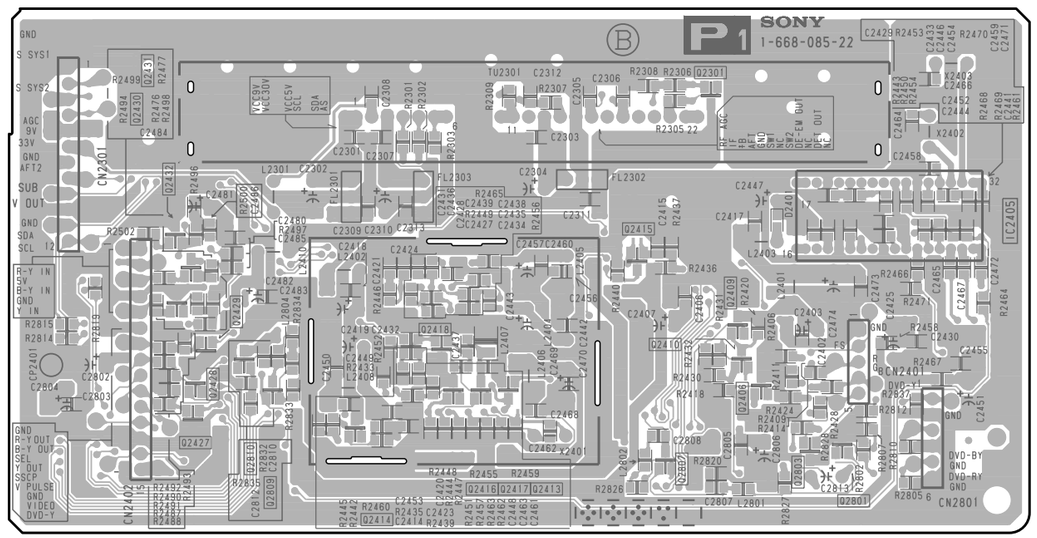
– 94 –

– 95 –

– 96 –

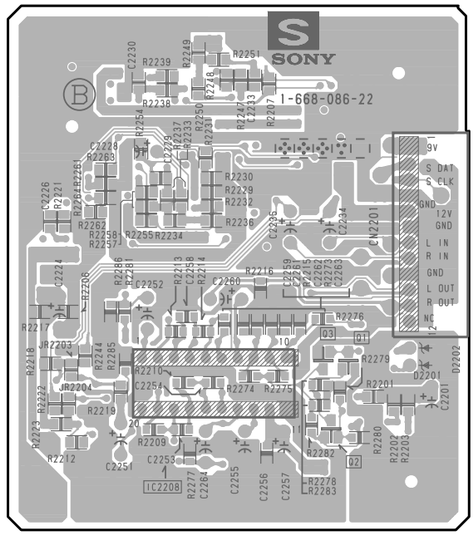
**P1** [PIP/DVD IN, PIP TEXT] **V2** [TEXT]

**— P1 BOARD (Conductor Side) —**

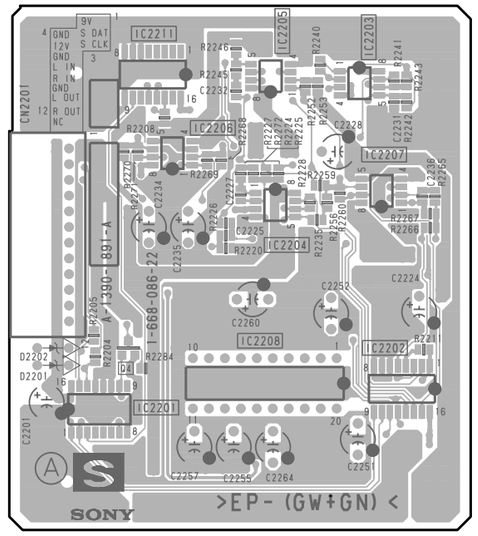


## S [SURROUND] ZG [VM/GREEN DY]

### — S BOARD (Conductor Side) —




### — S BOARD (Component Side) —

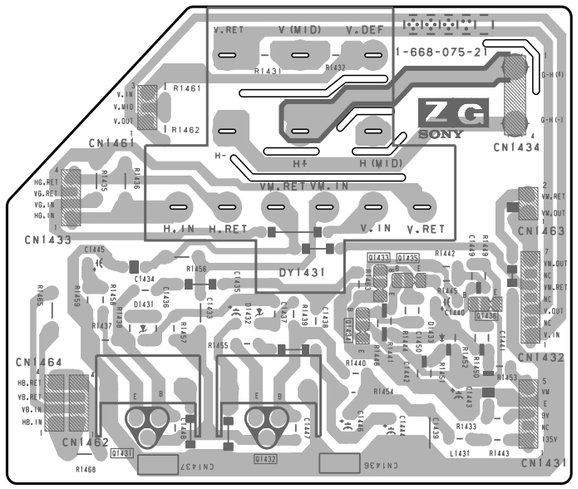



**S BOARD**
**Terminal name of semiconductors in silk screen printed circuit (∗)**

| Ref. | ∗ |
|---|---|
| Q4 | ② |

**∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 63)**

### — ZG BOARD —

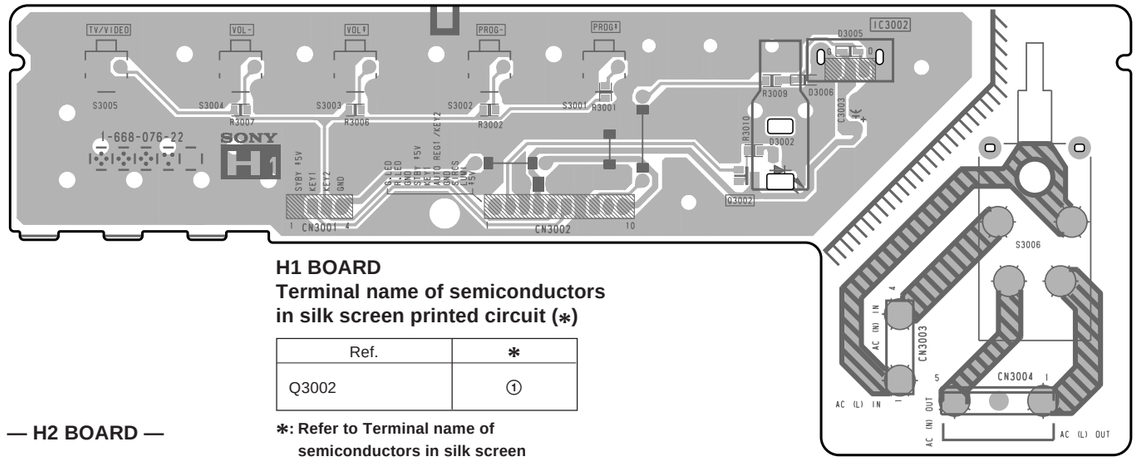





KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

## H1 [KEY, LED, AC SW] H2 [FRONT IN, KEY] ZR [RED DY]

### — H1 BOARD —

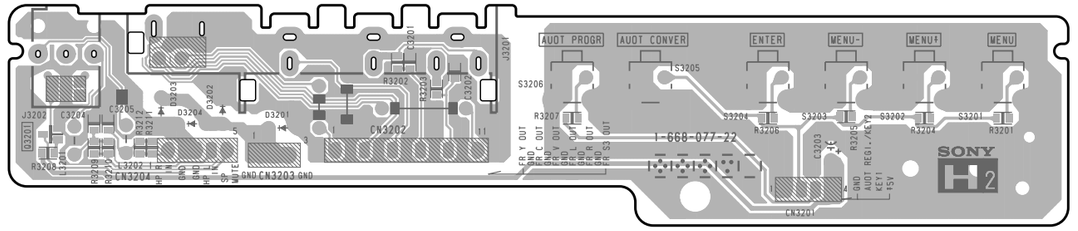



**H1 BOARD**
**Terminal name of semiconductors in silk screen printed circuit (∗)**

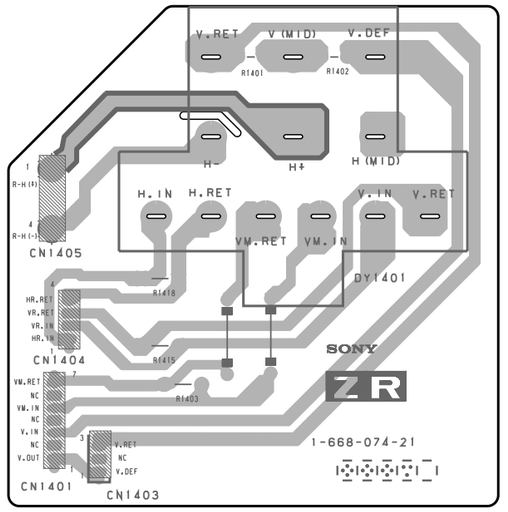
| Ref. | ∗ |
|---|---|
| Q3002 | ① |

**∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 63)**

### — H2 BOARD —



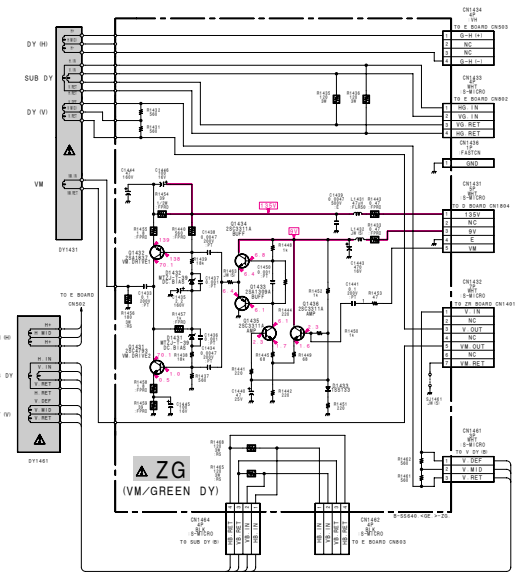

### — ZR BOARD —

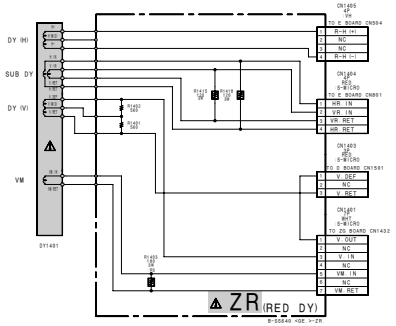


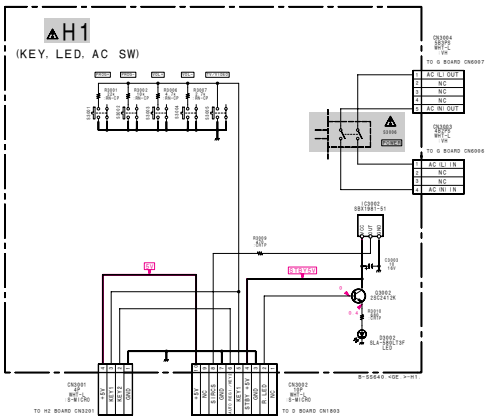

**H2 BOARD**
**Terminal name of semiconductors in silk screen printed circuit (∗)**

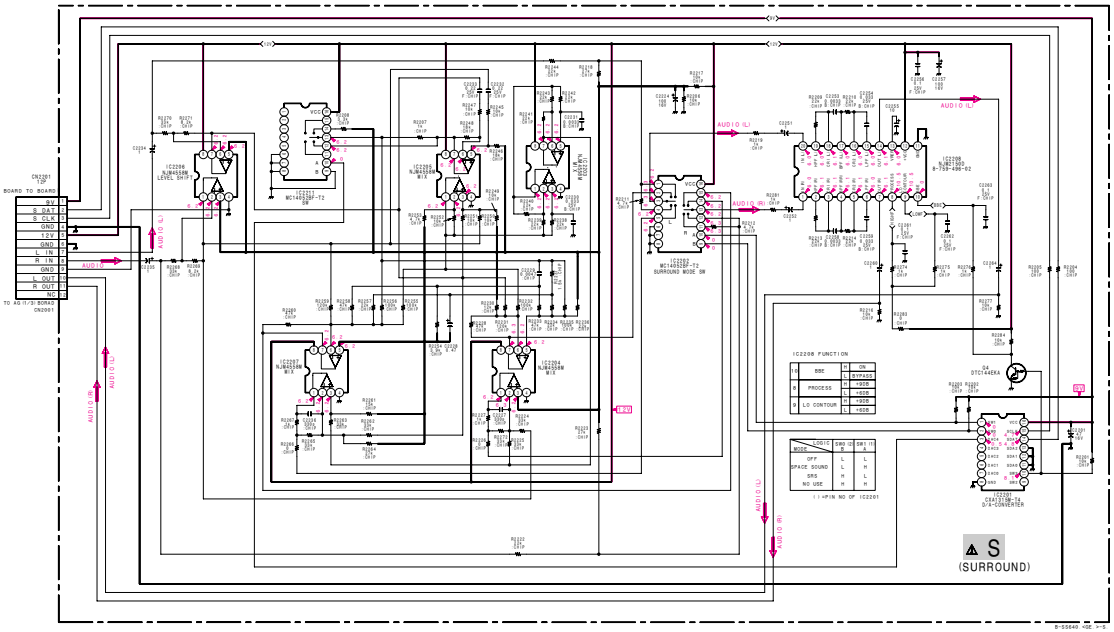
| Ref. | ∗ |
|---|---|
| Q3201 | ① |

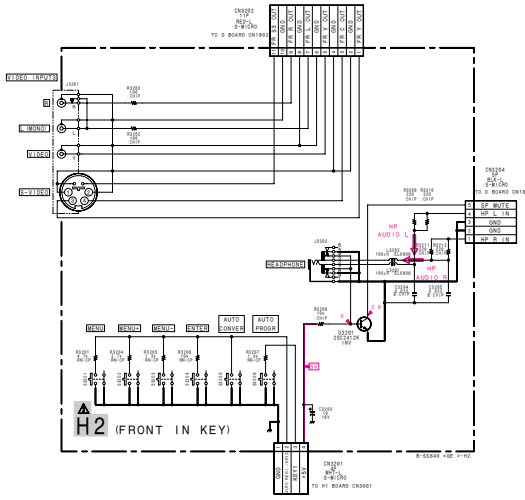
**∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 63)**

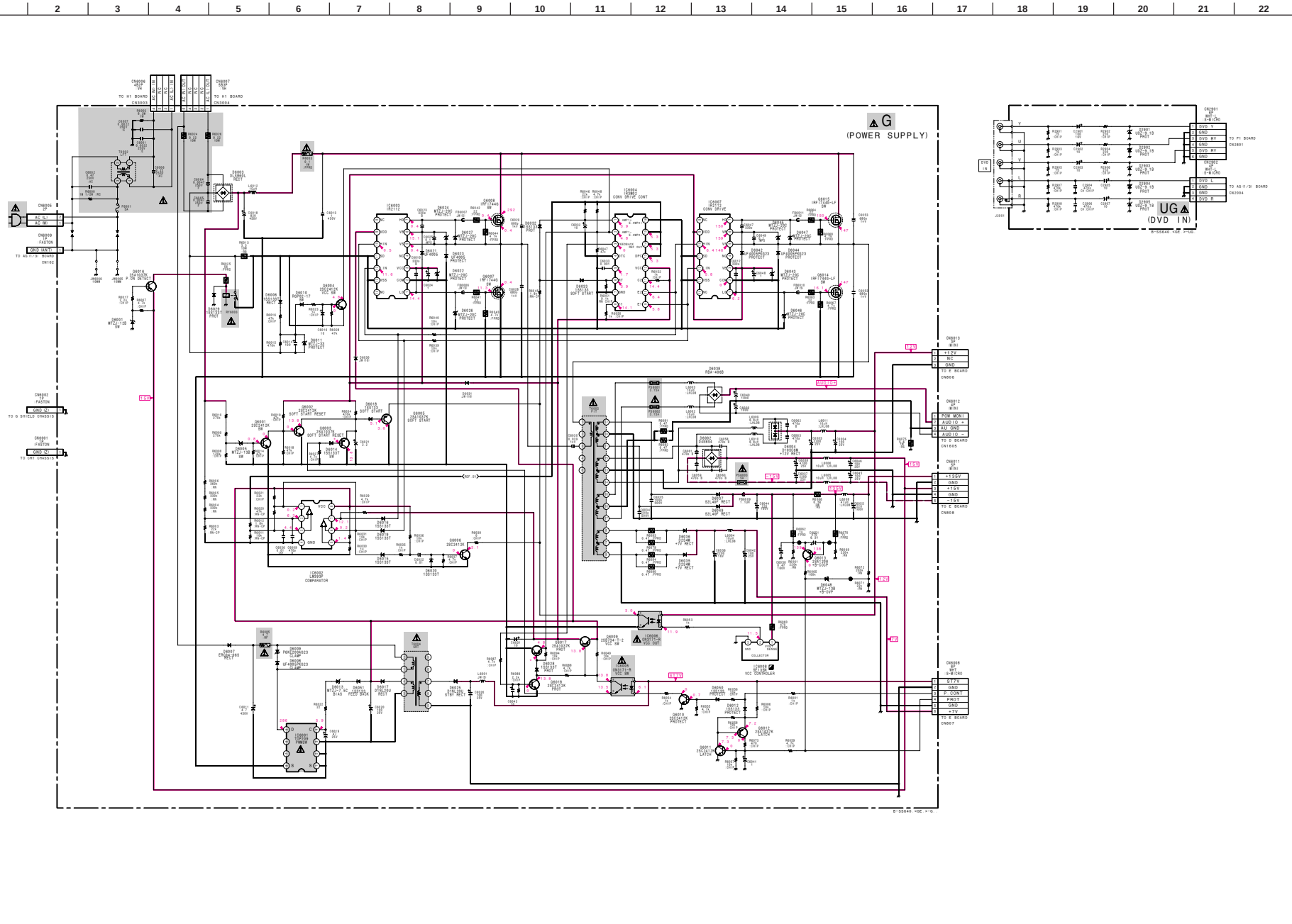

ZG
(VM/GREEN DY)


ZR
(RED DY)


H1
(KEY, LED, AC SW)


S
(SURROUND)

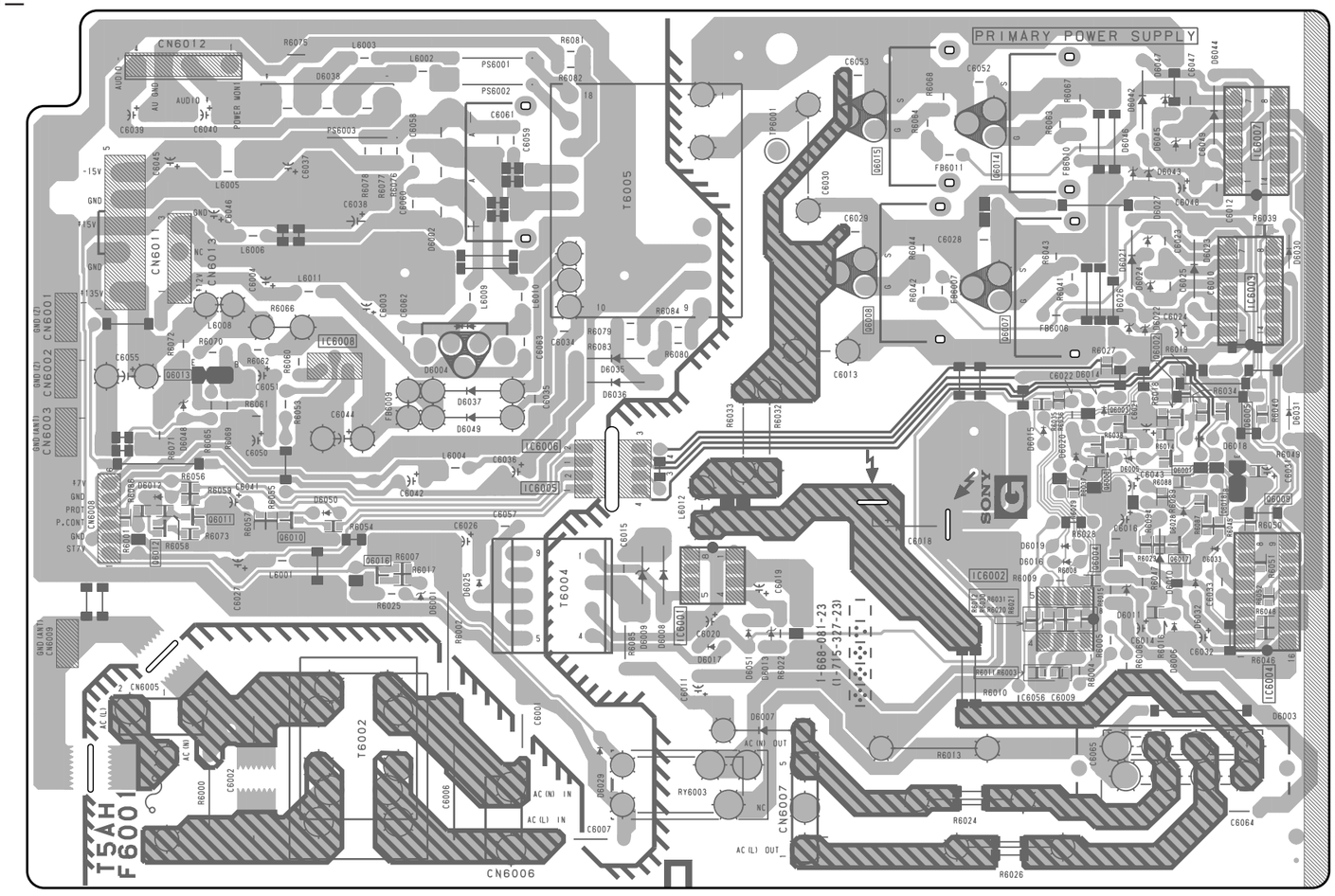

H2
(FRONT IN KEY)


G
(POWER SUPPLY)
UG
(DVD IN)

KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

**G** [POWER SUPPLY] **UG** [DVD IN]

**— G BOARD —**

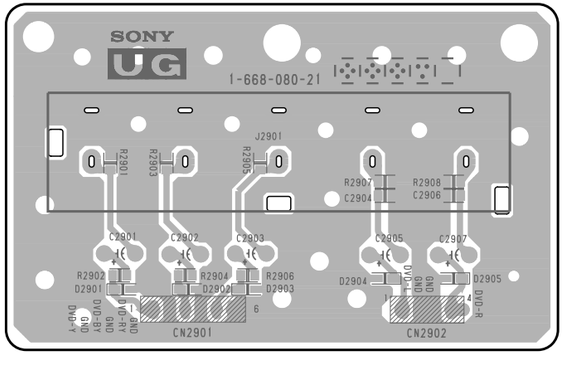



**G BOARD**
**Terminal name of semiconductors in silk screen printed circuit (∗)**

| Ref. | ∗ |
|---|---|
| Q6001-Q6006, Q6010-Q6012, Q6016-Q6018 | ① |

**∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 63)**

**— UG BOARD —**



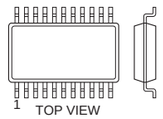

**UG BOARD**
**Terminal name of semiconductors in silk screen printed circuit (∗)**

| Ref. | ∗ |
|---|---|
| D2901-D2905 | ③ |

**∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 63)**

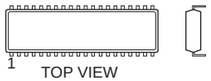
## 6-5. SEMICONDUCTORS

**BA7606F-T2**
**CXA1315M**
**CXA1875AM-T4**
**HEF4053BT**



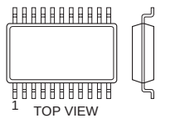

16pin SOP

**CA0007AD**
**IR2112**
**NJM2058D**
**µPC339C**



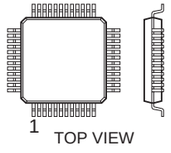

14pin DIP

**CA0007AM**



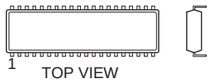

14pin SOP

**CXA1855Q**
**MC141627FT**



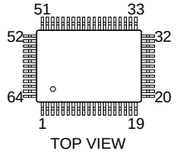

48pin QFP

**CXA2050S**

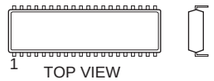



64pin DIP

**CXP85452**




**CXP86213-002S**
**SAA5261**

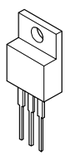



52pin DIP

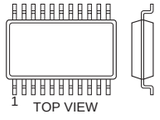
**IR3M02**
**IR3M02A**

16pin DIP

**LM2940CT-5.0**
**L7812CV**
**NJM78M05FA**
**PQ09RF2**
**TA7812S**
**µPC2405HF**

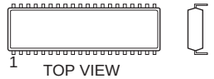


**LM358D**
**LM358DR**
**NJM4558M-T2**
**NJM4558M-TE2**
**ST24C08FM6TR**
**TL082CPS-E05**
**TL082M**
**µPC4558G2**



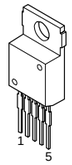

8pin SOP

**LM393P**
**NJM4560D**
**RC4560D**
**TDA2822M**
**TDA7264**
**TOP209P**
**µPC393C**

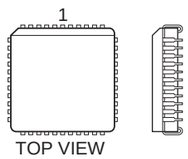



8pin DIP

**MC14052BF**

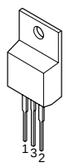



**MSP3410D-PS-B4-T-ND**

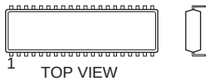



68pin QFJ

**NJM79M05FA**




**PA0053B**

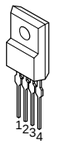



18pin DIP

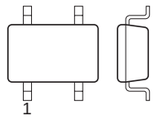
**PM0011AS**

42pin DIP

**PQ05RF11**

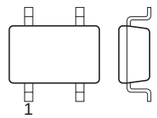



**PST593C-MMP-4P**



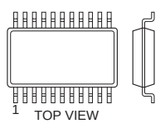

4pin Chip

**PST9143NL**



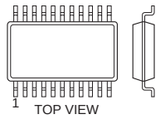

5pin Chip

**SDA9187-2XGEG**



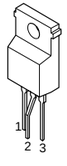

28pin SOP

**SDA9189XGEG**
**SDA9189XGEGA132**

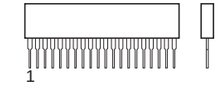



32pin SOP

**SE135N-LF12**
**SE-135N**

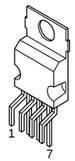



**STK392-150**

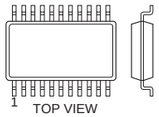



18pin SIP

**STV9379**

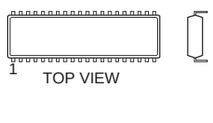



**TDA8395T/N3**



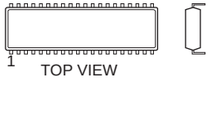

20pin SOP

**TDA8424**




20pin DIP

**TDA9160A**
**XR1071CP**

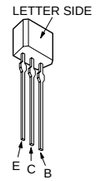



32pin DIP

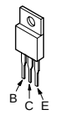
**DTA144EKA-T146**
**DTC114EK**
**DTC114EKA-T146**
**DTC124EK**
**DTC124EKA-T146**
**DTC143TKA-T146**
**DTC144EKA**
**DTC144EKA-T146**
**2SA1037AK-T146-QR**
**2SA1037AK-T146-R**
**2SA1037K-T-146-QR**
**2SA1162G**
**2SC1623-L5L6**
**2SC2412K-T-146-QR**
**2SC2712-YG**
**2SC2712-YG-TE85L**

KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2,
EF53HK2/ME2/MN2/SN2 RM-871

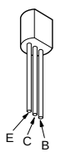
**DTC144ESA**
**DIC144ESA-TP**
**2SA1175-HFE**
**2SA1309A-QRSTA**
**2SC2785-HFE**
**2SC3311A-QRSTA**




**IRFI744G-LF**
**2SA1837**
**2SC4793**
**2SC5022-02**

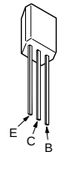



**2SA1091-O**
**2SA1091-TPE2**

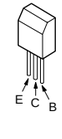



**2SA1208**

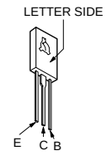
**2SA1524**
**2SA1524-TP**



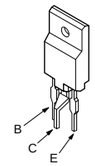

**2SB734-34**



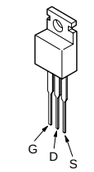

**2SC2611**
**2SC2688-LK**




**2SC4632LS-CB7**
**2SD2539 (LBSONY-1)**

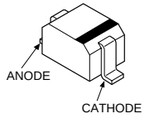



**2SK2251-01-F19**

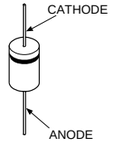



**DAP202K**

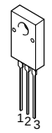
**UDZ-TE-17-3.9B**
**UDZ-TE-17-4.7B**
**UDZ-TE-17-9.1B**
**1SS355**
**1SS355TE-17**



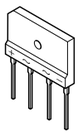

**D1NL20-TR**
**D2S4M**



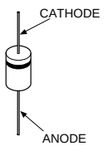

**D10SC6M-4012**



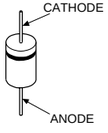

**D4SBS4**
**D4SBS4-F**
**D6SB60L**
**RBA-406B**



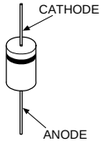
**ERC04-06S**
**ERC06-15S**
**1SS133T-72**
**1SS133T-77**



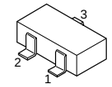

**ERD29-08J**



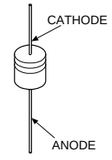

**EL1Z**
**EL1Z-V1**
**GP08D**
**GP08DPKG23**
**MTZJ-T-77-9.1A**
**RGP02-17EL-6433**
**RGP02-17PKG23**
**RGP02-20EL-6394**
**RGP10GPKG23**
**S2L40F**
**UF4005PKG23**



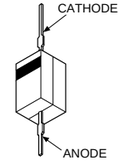

**MA3240-TX**



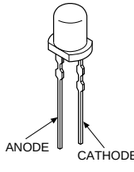

**MTZJ-T-77-12B**
**MTZJ-T-77-13**
**MTZJ-T-77-13B**
**MTZJ-T-77-20C**
**MTZJ-T-77-33**
**MTZJ-T-77-3.6**
**MTZJ-T-77-39**
**MTZJ-T-77-5.1**
**MTZJ-T-77-5.1B**
**MTZJ-T-77-5.6**
**MTZJ-T-77-5.6B**
**MTZJ-T-77-7.5B**
**MTZJ-T-77-7.5C**
**MTZJ-T-77-9.1B**
**MTZJ-13**
**MTZJ-13B**
**MTZJ-33B**
**MTZJ-7.5B**
**RD12ES-B2**
**RD20ES-B2**
**RD3.0ESB2**
**RD3.0ES-T1B2**
**RD3.6ES-B1**
**RD39ES-B2**
**RD5.1ES-B1**
**RD5.1ES-B2**
**RD5.6ESB2**
**RD7.5ESB2**




**P6KE200AG23**




**SLA-580LT3F**



# SECTION 7
# EXPLODED VIEWS

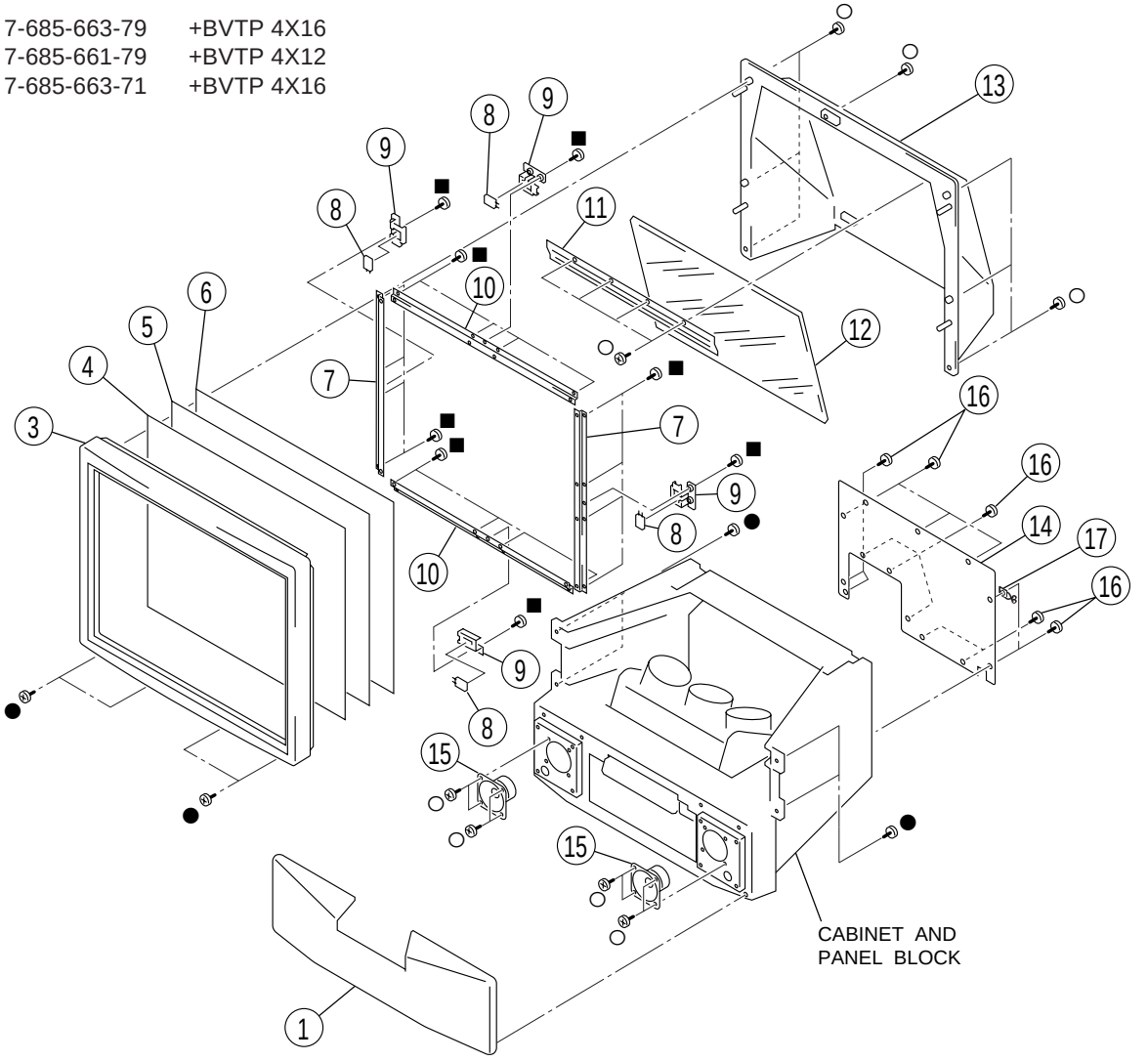
**NOTE:**

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

## 7-1. SCREEN AND COVER BLOCK (KP-EF41)

○ : 7-685-663-79 +BVTP 4X16
■ : 7-685-661-79 +BVTP 4X12
● : 7-685-663-71 +BVTP 4X16

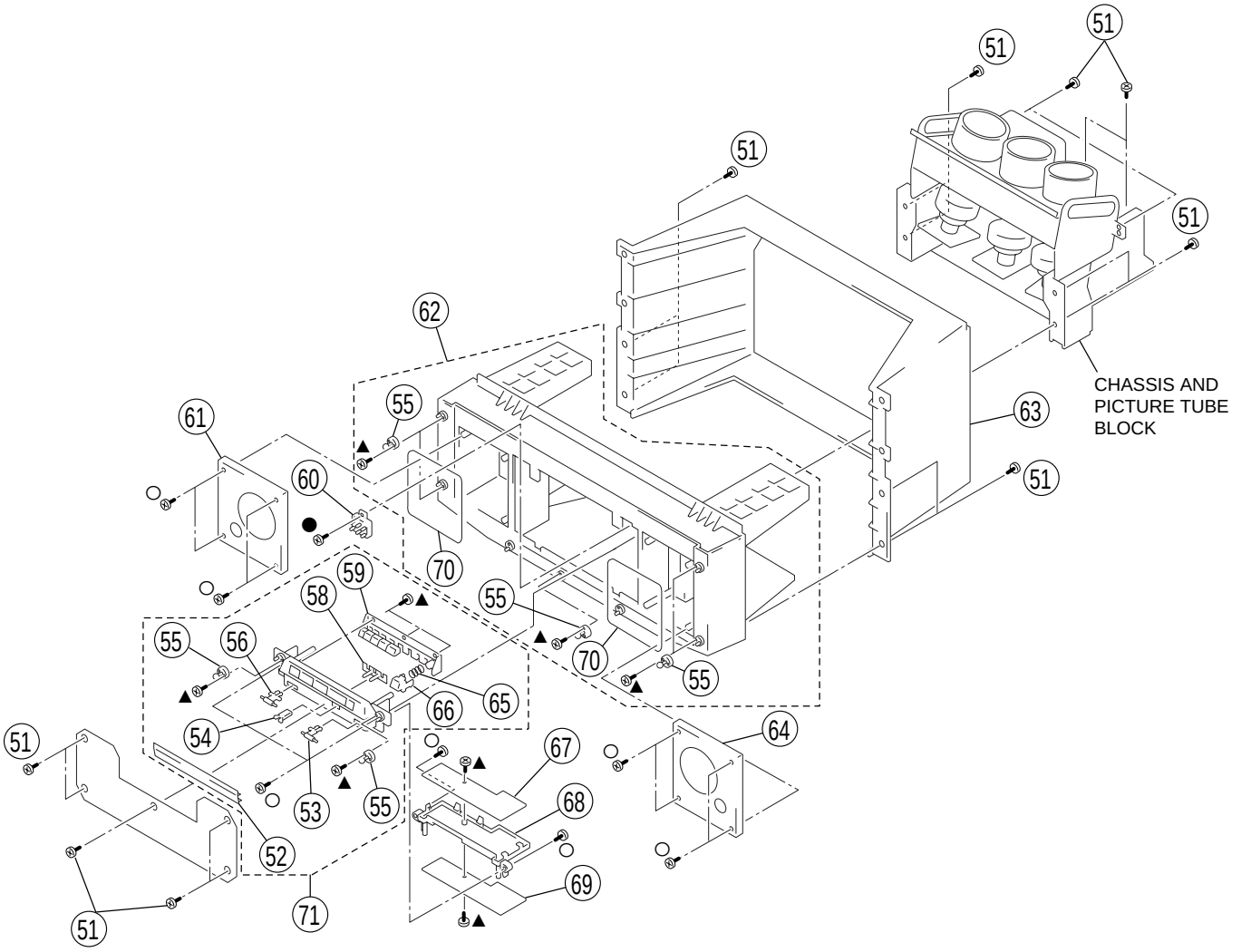



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 1 | X-4036-519-1 | GRILLE ASSY, SPEAKER | |
| 3 | X-4036-521-1 | BEZNET ASSY | |
| 4 | 4-063-365-11 | SCREEN, CONTRAST | |
| 5 | 4-070-236-11 | PLATE (L), DIFFUSION | |
| 6 | 4-070-358-11 | PLATE (F), DIFFUSION | |
| 7 | * 4-066-126-01 | HOLDER (V), SCREEN | |
| 8 | 1-528-864-11 | BATTERY, SOLAR | |
| 9 | * 4-066-132-01 | HOLDER, SENSOR | |
| 10 | * 4-066-125-01 | HOLDER (H), SCREEN | |
| 11 | * 4-066-129-01 | HOLDER, MIRROR | |
| 12 | 4-066-117-01 | MIRROR (41) | |
| 13 | * 4-066-151-01 | COVER, MIRROR | |
| 14 | * 4-066-148-01 | BOARD (41), REAR | |
| 15 | 1-505-426-21 | SPEAKER (10.6CM) | |
| 16 | 4-378-522-31 | SCREW, TAPPING, HEXAGON HEAD | |
| 17 | 3-703-319-01 | PURSE LOCK (DIA.15) | |

## 7-2. CABINET AND PANEL BLOCK (KP-EF41)

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

○ : 7-685-663-79 +BVTP 4X16
● : 7-685-663-71 +BVTP 4X16
▲ : 7-685-648-79 +BVTP 3X12

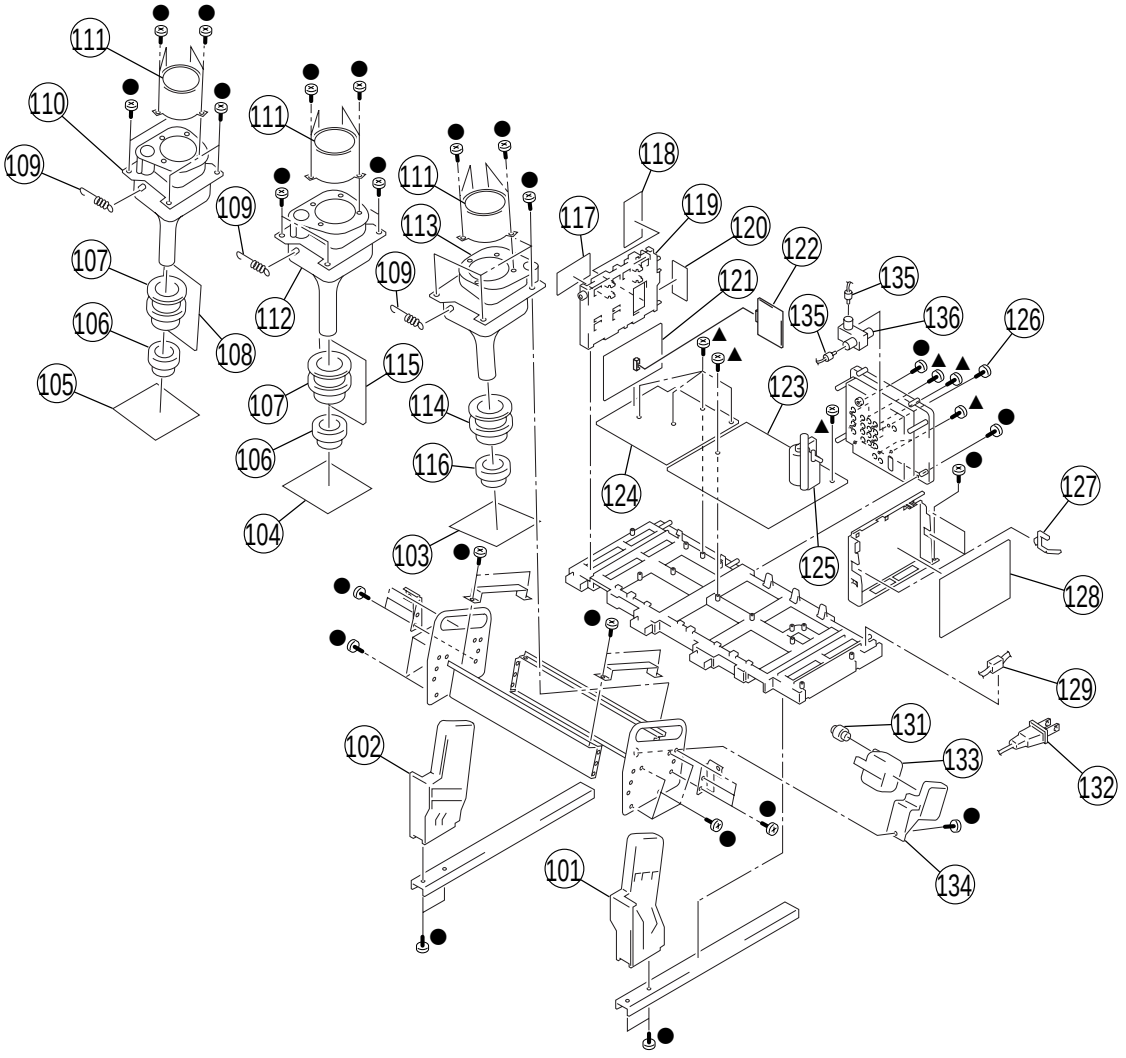



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 51 | 4-378-522-31 | SCREW, TAPPING, HEXAGON HEAD | |
| 52 | 4-066-140-21 | DOOR | |
| 53 | 4-045-250-21 | DAMPER | |
| 54 | 4-047-464-01 | CATCHER, PUSH | |
| 55 | 4-843-806-00 | STRIKE | |
| 56 | 3-703-035-11 | SHAFT, LID | |
| 58 | 4-066-130-01 | GUIDE, LIGHT | |
| 59 | 4-066-141-11 | BUTTON, MULTI | |
| 60 | ⚠ 1-223-925-11 | RESISTOR ASSY (HIGH-VOLTAGE) | |
| 61 | * 4-066-145-01 | BOARD (L), BAFFLE | |
| 62 | X-4036-518-2 | CABINET ASSY, FRONT | 55,70 |
| 63 | X-4036-178-1 | CABINET ASSY, REAR | |
| 64 | * 4-066-146-01 | BOARD (R), BAFFLE | |
| 65 | 4-066-103-01 | SPRING, COMPRESSION | |
| 66 | 4-066-131-11 | BUTTON, POWER | |
| 67 | * A-1372-518-A | H1 MOUNT | |
| 68 | * 4-066-133-01 | BRACKET (H) | |
| 69 | * A-1375-177-A | H2 COMPL | |
| 70 | * 4-066-106-01 | SPACER (SP) | |
| 71 | X-4036-520-1 | PANEL ASSY, CONTROL | 52-56,58,59,65,66 |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

## 7-3. CHASSIS AND PICTURE TUBE BLOCK (KP-EF41)

● : 7-685-663-71 +BVTP 4X16
▲ : 7-685-648-79 +BVTP 3X12

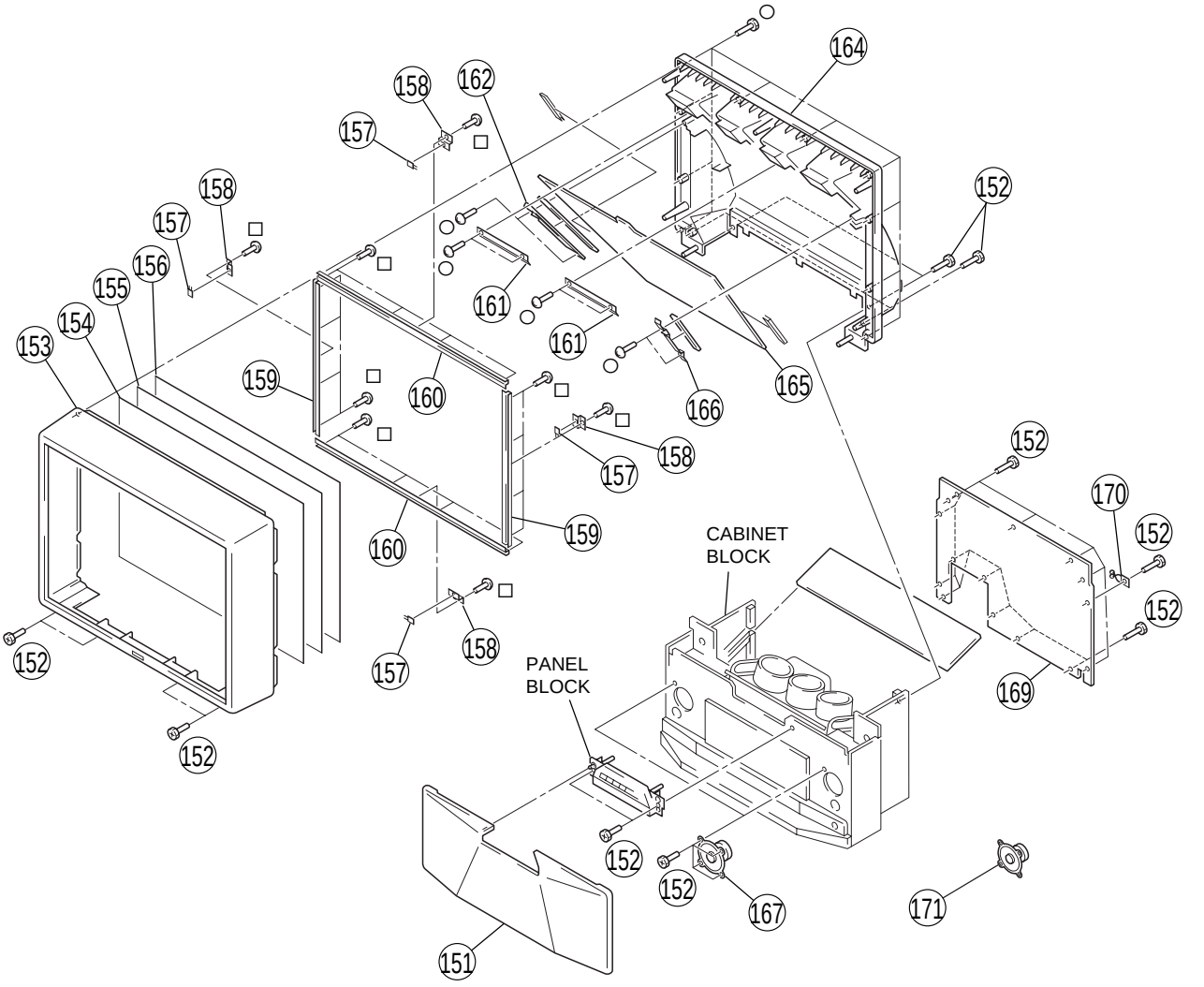



| REF. NO. | | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|---|
| 101 | | * 4-066-135-01 | STAY (R), SIDE | |
| 102 | | * 4-066-134-01 | STAY (L), SIDE | |
| 103 | | * A-1331-834-A | CB MOUNT | |
| 104 | | * A-1331-833-A | CG MOUNT | |
| 105 | | * A-1331-835-A | CR MOUNT | |
| 106 | ⚠ | 1-452-790-11 | NECK ASSY | |
| 107 | ⚠ | 1-451-454-51 | DEFLECTION YOKE (G)(R) | |
| 108 | | * A-1390-876-A | ZR MOUNT | |
| 109 | | 4-048-142-31 | SPRING, TENSION | |
| 110 | ⚠ | A-1501-259-A | PICTURE TUBE MECHASEAL ASSY (R),SLIM | |
| 111 | | 4-056-258-01 | LENS (DELTA 78) | |
| 112 | ⚠ | A-1501-260-A | PICTURE TUBE MECHASEAL ASSY (G),SLIM | |
| 113 | ⚠ | A-1501-261-A | PICTURE TUBE MECHASEAL ASSY (B),SLIM | |
| 114 | ⚠ | 1-451-455-61 | DEFLECTION YOKE (B) | |
| 115 | | * A-1390-877-A | ZG MOUNT | |
| 116 | ⚠ | 1-452-909-31 | MAGNET ASSY, 4 POLE | |
| 117 | | * A-1342-428-A | V2 MOUNT | |
| 118 | | * A-1190-325-A | P1 MOUNT | |
| 119 | | * 4-066-142-01 | TERMINAL BOARD | |
| 120 | | * A-1373-691-A | UG MOUNT | |
| 121 | | * A-1298-632-A | AG COMPL (EF41MN2,HK2,SN2) | |

| REF. NO. | | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|---|
| 121 | | * A-1298-673-A | AG COMPL (EF41ME2) | |
| 122 | | * A-1390-891-A | S MOUNT | |
| 123 | | * A-1346-764-A | E COMPL | |
| 124 | | * A-1346-763-A | D COMPL | |
| 125 | ⚠ | 1-453-307-11 | FBT ASSY NX-4007//M3T4 | |
| 126 | | 4-382-854-11 | SCREW (M3X10), P, SW (+) | |
| 127 | | * 4-316-015-00 | HOLDER, WIRE | |
| 128 | | * A-1316-394-A | G COMPL | |
| 129 | | 4-022-115-00 | HOLDER, AC CORD | |
| 131 | | 4-373-137-01 | CAP (Z), RUBBER | |
| 132 | ⚠ | 1-574-062-61 | CORD, POWER (WITH CONNECTOR) 2.5A/250V (EF41MN2,ME2) | |
| 132 | ⚠ | 1-574-358-51 | CORD, POWER (WITH CONNECTOR) (EF41SN2) | |
| 132 | ⚠ | 1-769-609-21 | CORD, POWER (WITH CONNECTOR) (EF41HK2) | |
| 133 | ⚠ | 8-598-955-12 | BLOCK ASSY, HIGH-VOLTAGE | |
| 134 | | * 4-066-144-01 | HOLDER, HVR | |
| 135 | | * 1-555-400-00 | CABLE, PIN | |
| 136 | | 1-251-372-21 | BOOSTER, RF | |

## 7-4. SCREEN AND COVER BLOCK (KP-EF48)

○ : 7-685-663-79 +BVTP 4X16
□ : 7-685-661-14 +BVTP 4X12

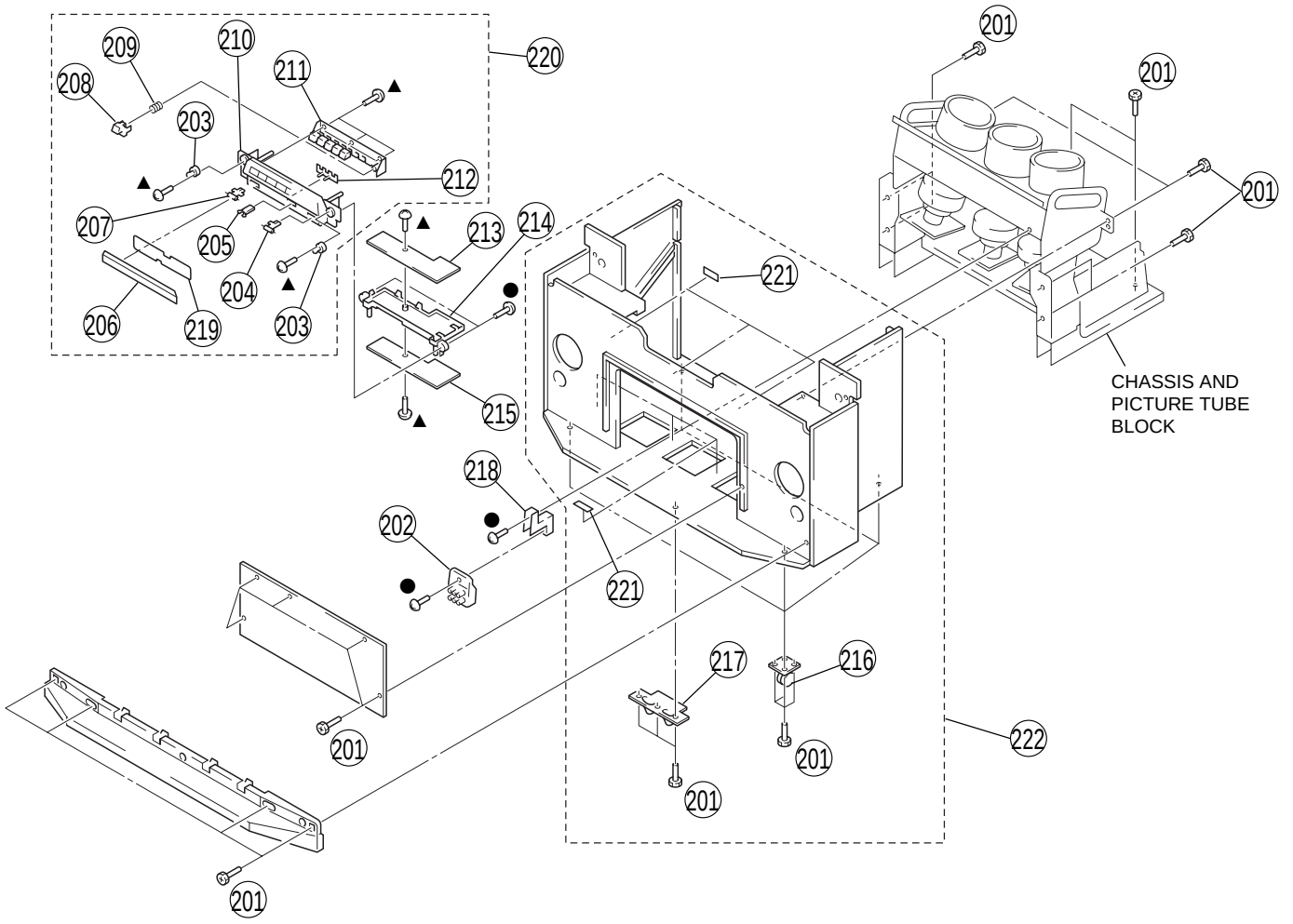



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 151 | X-4035-511-1 | GRILLE ASSY, SPEAKER | |
| 152 | 4-378-522-31 | SCREW, TAPPING, HEXAGON HEAD | |
| 153 | X-4036-613-1 | BEZNET (48) ASSY | |
| 154 | 4-064-041-01 | SCREEN (48), CONTRAST | |
| 155 | 4-070-235-11 | PLATE (L), DIFFUSION | |
| 156 | 4-058-455-11 | PLATE (F), DIFFUSION | |
| 157 | 1-528-864-11 | BATTERY, SOLAR | |
| 158 | * 4-066-132-01 | HOLDER, SENSOR | |
| 159 | * 4-064-051-01 | HOLDER (V48), SCREEN | |
| 160 | * 4-064-052-01 | HOLDER (H), SCREEN | |
| 161 | 4-064-042-01 | HOLDER, MIRROR | |
| 162 | * 4-051-790-02 | HOLDER, MIRSD (L) | |
| 164 | * 4-057-610-01 | COVER, MIRROR | |
| 165 | 4-069-918-01 | MIRROR (48) | |
| 166 | * 4-051-789-02 | HOLDER, MIRSD (R) | |
| 167 | 1-529-405-11 | SPEAKER (16CM) | |
| 169 | 4-069-922-01 | BOARD (48), REAR | |
| 170 | 3-703-319-01 | PURSE LOCK (DIA.15) | |
| 171 | 1-529-404-11 | SPEAKER (5CM) | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

## 7-5. CABINET AND PANEL BLOCK (KP-EF48)

● : 7-685-663-71 +BVTP 4X16
▲ : 7-685-648-79 +BVTP 3X12

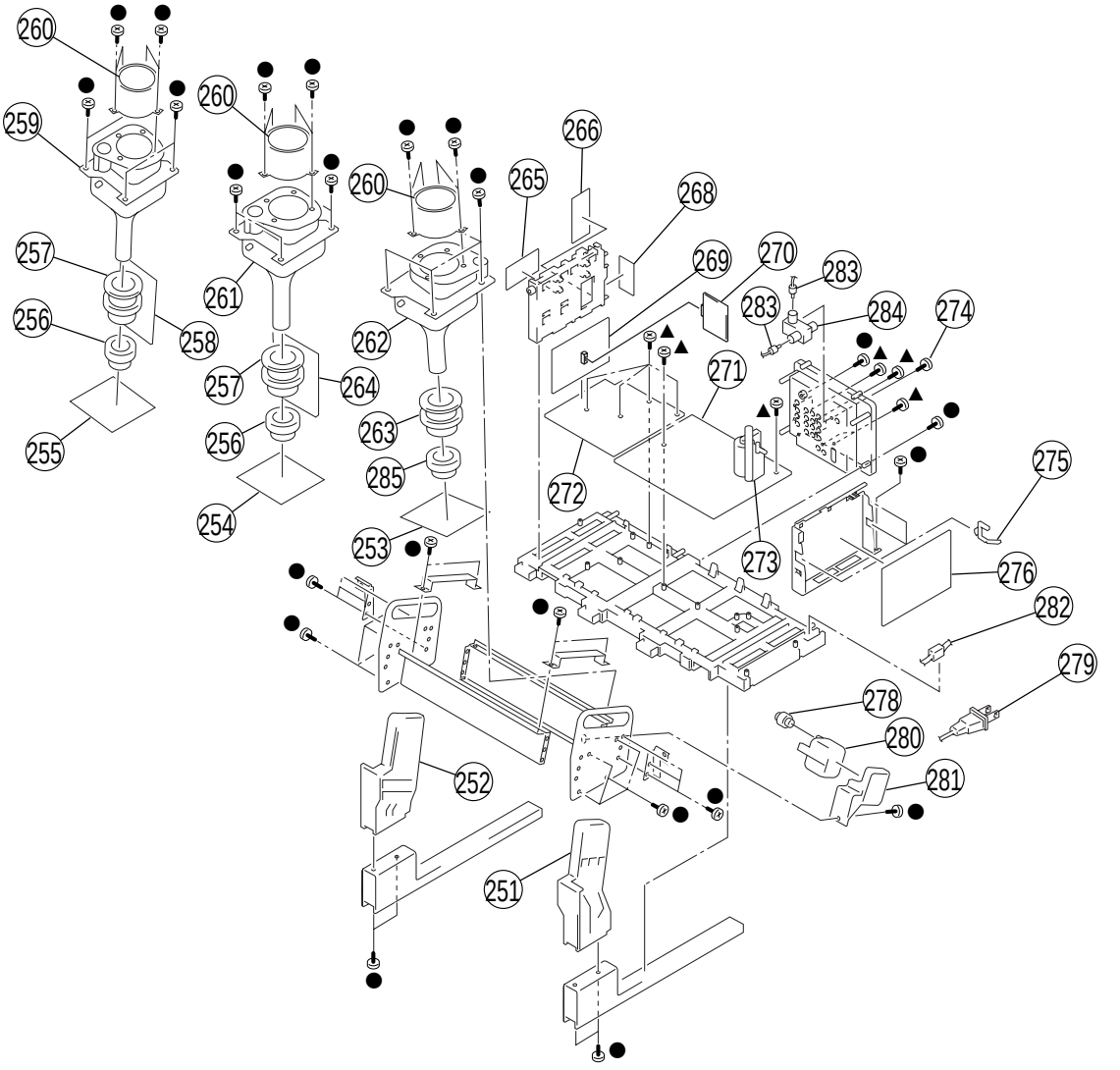



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 201 | 4-378-522-31 | SCREW, TAPPING, HEXAGON HEAD | |
| 202 | ⚠ 1-223-925-11 | RESISTOR ASSY (HIGH-VOLTAGE) | |
| 203 | 4-843-806-00 | STRIKE | |
| 204 | 4-045-250-21 | DAMPER | |
| 205 | 4-047-464-01 | CATCHER, PUSH | |
| 206 | 4-066-140-01 | DOOR | |
| 207 | 3-703-035-11 | SHAFT, LID | |
| 208 | 4-066-131-01 | BUTTON, POWER | |
| 209 | 4-066-103-01 | SPRING, COMPRESSION | |
| 210 | 4-066-136-01 | PANEL, CONTROL | |
| 211 | 4-066-141-01 | BUTTON, MULTI | |
| 212 | 4-066-130-01 | GUIDE, LIGHT | |
| 213 | * A-1372-518-A | H1 MOUNT | |
| 214 | * 4-066-133-01 | BRACKET (H) | |
| 215 | * A-1375-177-A | H2 COMPL | |
| 216 | 4-040-755-01 | CASTER (DIA. 30) | |
| 217 | 4-048-175-01 | FOOT, PLASTIC | |
| 218 | * 4-054-825-01 | BRACKET, FOCUS PACK | |
| 219 | 4-066-112-01 | LABEL, CONTROL | |
| 220 | X-4035-946-3 | PANEL ASSY, CONTROL | 203-212,219 |
| 221 | 4-069-915-01 | CLAMP | |
| 222 | * X-4036-614-1 | CABINET (48) ASSY | 201,216,217,221 |

## 7-6. CHASSIS AND PICTURE TUBE BLOCK (KP-EF48)

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

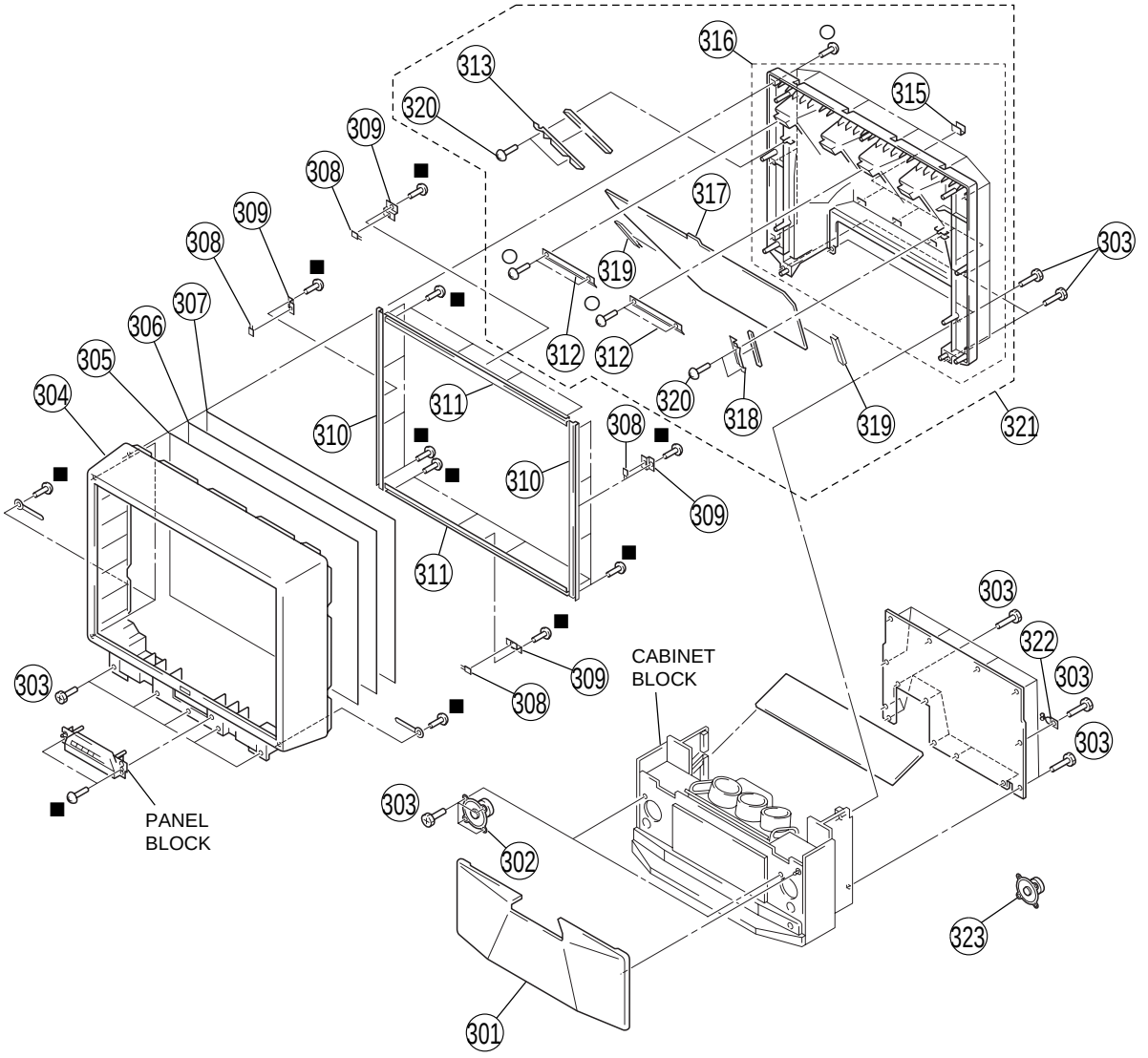
● : 7-685-663-71 +BVTP 4X16
▲ : 7-685-648-79 +BVTP 3X12




| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 251 | * 4-066-135-01 | STAY (R), SIDE | |
| 252 | * 4-066-134-01 | STAY (L), SIDE | |
| 253 | * A-1331-834-A | CB MOUNT | |
| 254 | * A-1331-833-A | CG MOUNT | |
| 255 | * A-1331-835-A | CR MOUNT | |
| 256 | ⚠ 1-452-790-11 | NECK ASSY | |
| 257 | ⚠ 1-451-455-51 | DEFLECTION YOKE (G)(R) | |
| 258 | * A-1390-876-A | ZR MOUNT | |
| 259 | ⚠ 8-733-572-05 | PICTURE TUBE 07MXC3(R)(DIAPHRAGM) | |
| 260 | 4-056-258-01 | LENS (DELTA 78) | |
| 261 | ⚠ 8-733-570-05 | PICTURE TUBE 07MXC2(G)(DIAPHRAGM) | |
| 262 | ⚠ 8-733-575-05 | PICTURE TUBE 07MAC3(B)(DIAPHRAGM) | |
| 263 | ⚠ 1-451-455-61 | DEFLECTION YOKE (B) | |
| 264 | * A-1390-877-A | ZG MOUNT | |
| 265 | * A-1342-428-A | V2 MOUNT | |
| 266 | * A-1190-325-A | P1 MOUNT | |
| 268 | * A-1373-691-A | UG MOUNT | |
| 269 | * A-1298-632-A | AG COMPL (EF48MN2,HK2,SN2) | |
| 269 | * A-1298-673-A | AG COMPL (EF48ME2) | |
| 270 | * A-1390-891-A | S MOUNT | |
| 271 | * A-1346-829-A | E COMPL | |
| 272 | * A-1346-763-A | D COMPL | |
| 273 | ⚠ 1-453-307-11 | FBT ASSY NX-4007//M3T4 | |
| 274 | 4-382-854-11 | SCREW (M3X10), P, SW (+) | |
| 275 | * 4-316-015-00 | HOLDER, WIRE | |
| 276 | * A-1316-394-A | G COMPL | |
| 278 | 4-373-137-01 | CAP (Z), RUBBER | |
| 279 | ⚠ 1-574-062-61 | CORD, POWER (WITH CONNECTOR) 2.5A/250V (EF48MN2,ME2) | |
| 279 | ⚠ 1-574-358-51 | CORD, POWER (WITH CONNECTOR) (EF48SN2) | |
| 279 | ⚠ 1-769-609-21 | CORD, POWER (WITH CONNECTOR) (EF48HK2) | |
| 280 | ⚠ 8-598-955-12 | BLOCK ASSY, HIGH-VOLTAGE | |
| 281 | * 4-066-144-01 | HOLDER, HVR | |
| 282 | 4-022-115-00 | HOLDER, AC CORD | |
| 283 | * 1-555-400-00 | CABLE, PIN | |
| 284 | 1-251-372-21 | BOOSTER, RF | |
| 285 | ⚠ 1-452-909-31 | MAGNET ASSY, 4 POLE | |

## 7-7. SCREEN AND COVER BLOCK (KP-EF53)

○ : 7-685-663-79 +BVTP 4X16
■ : 7-685-661-79 +BVTP 4X12

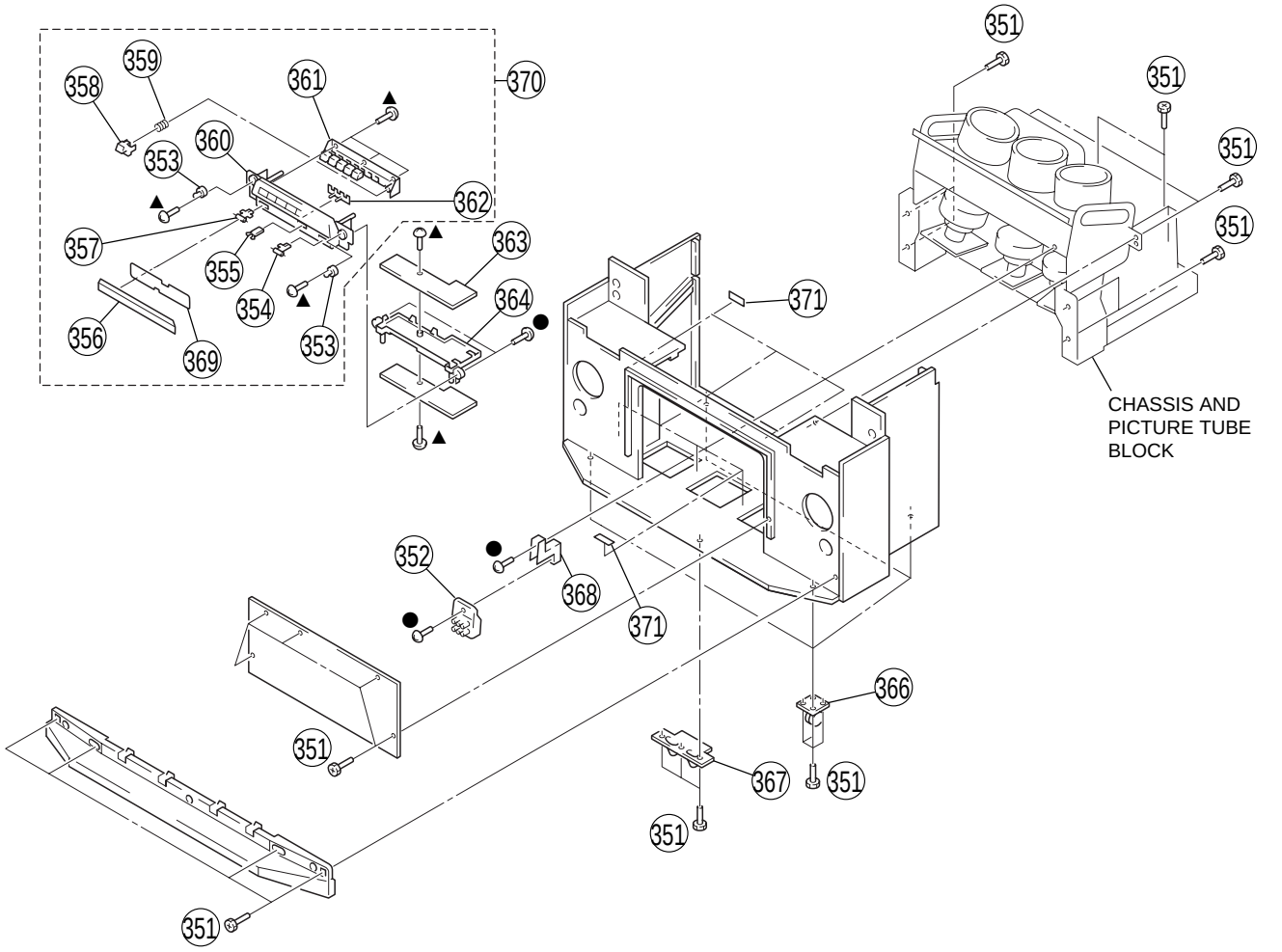



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 301 | X-4035-511-1 | GRILLE ASSY, SPEAKER | |
| 302 | 1-529-405-11 | SPEAKER (16CM) | |
| 303 | 4-378-522-31 | SCREW, TAPPING, HEXAGON HEAD | |
| 304 | X-4036-625-1 | BEZNET (53) ASSY | |
| 305 | 4-064-186-01 | SCREEN (53), CONTRAST | |
| 306 | 4-070-234-11 | PLATE (L), DIFFUSION | |
| 307 | 4-070-282-11 | PLATE (F), DIFFUSION | |
| 308 | 1-528-864-11 | BATTERY, SOLAR | |
| 309 | * 4-066-132-01 | HOLDER, SENSOR | |
| 310 | * 4-064-189-01 | HOLDER (V53), SCREEN | |
| 311 | * 4-064-052-01 | HOLDER (H), SCREEN | |
| 312 | 4-064-042-01 | HOLDER, MIRROR | |
| 313 | * 4-051-790-02 | HOLDER, MIRSD (L) | |
| 315 | 4-048-150-01 | CAP, HOLE | |
| 316 | * X-4032-620-1 | COVER ASSY, MIRROR | 315 |
| 317 | 4-070-036-01 | MIRROR (53) | |
| 318 | * 4-051-789-02 | HOLDER, MIRSD (R) | |
| 319 | 4-033-775-41 | PROTECTOR, MIRROR | |
| 320 | 4-304-851-11 | SCREW (4X25), (+) PWH TAPPING | |
| 321 | * A-1501-480-A | COVER ASSY, MIRROR | 312-313,315-320 |
| 322 | 3-703-319-01 | PURSE LOCK (DIA.15) | |
| 323 | 1-529-404-11 | SPEAKER (5CM) | |

## 7-8. CABINET AND PANEL BLOCK (KP-EF53)

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

● : 7-685-663-71 +BVTP 4X16
▲ : 7-685-648-79 +BVTP 3X12

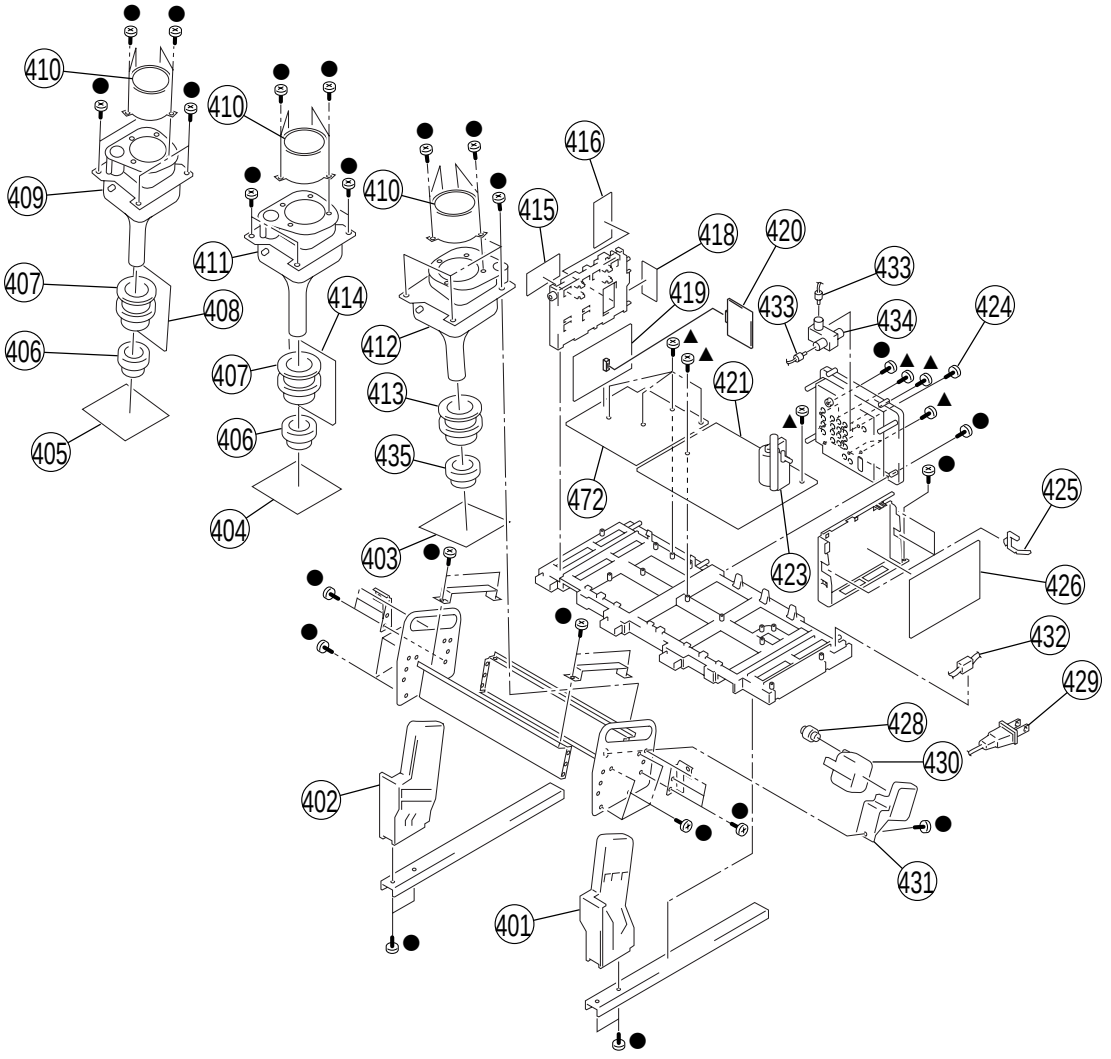



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 351 | 4-378-522-31 | SCREW, TAPPING, HEXAGON HEAD | |
| 352 | ⚠ 1-223-925-11 | RESISTOR ASSY (HIGH-VOLTAGE) | |
| 353 | 4-843-806-00 | STRIKE | |
| 354 | 4-045-250-21 | DAMPER | |
| 355 | 4-047-464-01 | CATCHER, PUSH | |
| 356 | 4-066-140-01 | DOOR | |
| 357 | 3-703-035-11 | SHAFT, LID | |
| 358 | 4-066-131-01 | BUTTON, POWER | |
| 359 | 4-066-103-01 | SPRING, COMPRESSION | |
| 360 | 4-066-136-01 | PANEL, CONTROL | |
| 361 | 4-066-141-01 | BUTTON, MULTI | |
| 362 | 4-066-130-01 | GUIDE, LIGHT | |
| 363 | * A-1372-518-A | H1 MOUNT | |
| 364 | * 4-066-133-01 | BRACKET (H) | |
| 365 | * A-1375-177-A | H2 COMPL | |
| 366 | 4-040-755-01 | CASTER (DIA. 30) | |
| 367 | 4-048-175-01 | FOOT, PLASTIC | |
| 368 | * 4-054-825-01 | BRACKET, FOCUS PACK | |
| 369 | 4-066-112-01 | LABEL, CONTROL | |
| 370 | X-4035-946-3 | PANEL ASSY, CONTROL | 353-362,369 |
| 371 | 4-069-915-01 | CLAMP | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

## 7-9. CHASSIS AND PICTURE TUBE BLOCK (KP-EF53)

● : 7-685-663-71 +BVTP 4X16
▲ : 7-685-648-79 +BVTP 3X12




| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 401 | * 4-066-135-01 | STAY (R), SIDE | |
| 402 | * 4-066-134-01 | STAY (L), SIDE | |
| 403 | * A-1331-834-A | CB MOUNT | |
| 404 | * A-1331-833-A | CG MOUNT | |
| 405 | * A-1331-835-A | CR MOUNT | |
| 406 | ⚠ 1-452-790-11 | NECK ASSY | |
| 407 | ⚠ 1-451-455-51 | DEFLECTION YOKE (G)(R) | |
| 408 | * A-1390-876-A | ZR MOUNT | |
| 409 | ⚠ 8-733-572-05 | PICTURE TUBE 07MXC3(R)(DIAPHRAGM) | |
| 410 | 4-056-258-01 | LENS (DELTA 78) | |
| 411 | ⚠ 8-733-570-05 | PICTURE TUBE 07MXC2(G)(DIAPHRAGM) | |
| 412 | ⚠ 8-733-575-05 | PICTURE TUBE 07MAC3(B)(DIAPHRAGM) | |
| 413 | ⚠ 1-451-455-61 | DEFLECTION YOKE (B) | |
| 414 | * A-1390-877-A | ZG MOUNT | |
| 415 | * A-1342-428-A | V2 MOUNT | |
| 416 | * A-1190-325-A | P1 MOUNT | |
| 418 | * A-1373-691-A | UG MOUNT | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 419 | * A-1298-632-A | AG COMPL (EF53MN2,HK2,SN2) | |
| 419 | * A-1298-673-A | AG COMPL (EF53ME2) | |
| 420 | * A-1390-891-A | S MOUNT | |
| 421 | * A-1346-829-A | E COMPL | |
| 422 | * A-1346-763-A | D COMPL | |
| 423 | ⚠ 1-453-307-11 | FBT ASSY NX-4007//M3T4 | |
| 424 | 4-382-854-11 | SCREW (M3X10), P, SW (+) | |
| 425 | * 4-316-015-00 | HOLDER, WIRE | |
| 426 | * A-1316-394-A | G COMPL | |
| 428 | 4-373-137-01 | CAP (Z), RUBBER | |
| 429 | ⚠ 1-574-062-61 | CORD, POWER (WITH CONNECTOR) 2.5A/250V | |
| 430 | ⚠ 8-598-955-12 | BLOCK ASSY, HIGH-VOLTAGE | |
| 431 | * 4-066-144-01 | HOLDER, HVR | |
| 432 | 4-022-115-00 | HOLDER, AC CORD | |
| 433 | * 1-555-400-00 | CABLE, PIN | |
| 434 | 1-251-372-21 | BOOSTER, RF | |
| 435 | ⚠ 1-452-909-31 | MAGNET ASSY, 4POLE | |

**P1**

# SECTION 8
# ELECTRICAL PARTS LIST

**NOTE:**

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

- The components identified by ⋈ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

- CAPACITORS
  PF : μμ F
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | * A-1190-325-A | P1 MOUNT | | | |
| | | ********** | | | |
| | | <CAPACITOR> | | | |
| C2301 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2302 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2303 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2304 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2305 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C2306 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C2307 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2308 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2309 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2310 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2311 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2312 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2313 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2402 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2403 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2405 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2406 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2407 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C2413 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2415 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C2416 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C2417 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2418 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2419 | 1-104-665-11 | ELECT | 100MF | 20% | 10V |
| C2420 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C2421 | 1-164-343-11 | CERAMIC CHIP | 0.056MF | 10% | 25V |
| C2423 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2424 | 1-163-275-11 | CERAMIC CHIP | 1000PF | 5% | 50V |
| C2425 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2426 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2427 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2428 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2429 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C2430 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2431 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2432 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2433 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2434 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2435 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2436 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2437 | 1-163-249-11 | CERAMIC CHIP | 82PF | 5% | 50V |
| C2438 | 1-115-339-11 | CERAMIC CHIP | 0.1MF | 10% | 50V |
| C2439 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2440 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2442 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2443 | 1-104-665-11 | ELECT | 100MF | 20% | 10V |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C2444 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2445 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2446 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2447 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C2448 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2449 | 1-104-665-11 | ELECT | 100MF | 20% | 10V |
| C2450 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2451 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2452 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2453 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2454 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C2455 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2456 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2457 | 1-104-665-11 | ELECT | 100MF | 20% | 10V |
| C2458 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C2459 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C2460 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2461 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C2463 | 1-163-237-11 | CERAMIC CHIP | 27PF | 5% | 50V |
| C2464 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C2465 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2466 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C2467 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2468 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2469 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2470 | 1-104-665-11 | ELECT | 100MF | 20% | 10V |
| C2471 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C2472 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2473 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2474 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2476 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2478 | 1-163-121-00 | CERAMIC CHIP | 150PF | 5% | 50V |
| C2480 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2481 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2482 | 1-104-665-11 | ELECT | 100MF | 20% | 10V |
| C2483 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2484 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2485 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2486 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2801 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2802 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2803 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2804 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2805 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2806 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C2807 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2808 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C2809 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2810 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C2811 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2812 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| C2813 | 1-126-964-11 | ELECT 10MF 20% 50V | |
| | | <CONNECTOR> | |
| CN2301 | * 1-564-515-11 | PLUG, CONNECTOR 12P | |
| CN2401 | * 1-564-508-11 | PLUG, CONNECTOR 5P | |
| CN2402 | * 1-564-596-11 | PLUG, CONNECTOR 15P | |
| CN2801 | * 1-564-509-11 | PLUG, CONNECTOR 6P | |
| | | <DIODE> | |
| D2401 | 8-719-047-16 | DIODE BAS216 | |
| | | <FERRITE BEAD> | |
| FB2401 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB2402 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| | | <FILTER> | |
| FL2301 | 1-236-071-11 | ENCAPSULATED COMPONENT | |
| FL2302 | 1-236-071-11 | ENCAPSULATED COMPONENT | |
| FL2303 | 1-236-071-11 | ENCAPSULATED COMPONENT | |
| | | <IC> | |
| IC2401 | 8-759-439-64 | IC HEF4053BT | |
| IC2402 | 8-759-565-20 | IC TDA4665T/V5-118 | |
| IC2403 | 8-759-248-15 | IC SDA9187-2XGEG | |
| IC2404 | 8-759-468-94 | IC SDA9189XGEGA132 | |
| IC2405 | 8-759-183-35 | IC TDA9160A | |
| IC2406 | 8-759-278-95 | IC BA7606F | |
| IC2801 | 8-752-072-94 | IC CXA1875AM-T4 | |
| IC2802 | 8-759-439-64 | IC HEF4053BT | |
| IC2803 | 8-759-439-64 | IC HEF4053BT | |
| | | <COIL> | |
| L2301 | 1-408-603-31 | INDUCTOR 10UH | |
| L2401 | 1-408-603-31 | INDUCTOR 10UH | |
| L2402 | 1-408-603-31 | INDUCTOR 10UH | |
| L2403 | 1-408-603-31 | INDUCTOR 10UH | |
| L2404 | 1-408-603-31 | INDUCTOR 10UH | |
| L2405 | 1-408-603-31 | INDUCTOR 10UH | |
| L2406 | 1-408-603-31 | INDUCTOR 10UH | |
| L2407 | 1-410-384-31 | INDUCTOR CHIP 18UH | |
| L2408 | 1-408-603-31 | INDUCTOR 10UH | |
| L2409 | 1-410-210-21 | INDUCTOR CHIP 33UH | |
| L2410 | 1-408-603-31 | INDUCTOR 10UH | |
| L2801 | 1-414-194-11 | INDUCTOR 33UH | |
| L2802 | 1-412-010-41 | INDUCTOR CHIP 22UH | |
| L2803 | 1-414-194-11 | INDUCTOR 33UH | |
| L2804 | 1-412-010-41 | INDUCTOR CHIP 22UH | |
| | | <TRANSISTOR> | |
| Q2301 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2401 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2402 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2403 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2404 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2405 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2406 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2407 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2408 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2409 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2410 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2411 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| Q2412 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q2413 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q2414 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2415 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2416 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2417 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2418 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2419 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2420 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2421 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2422 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2423 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| Q2424 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2426 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2427 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2428 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2429 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2430 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2431 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2432 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2801 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2802 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2803 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2804 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2805 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2806 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2807 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2808 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2809 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2810 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| | | <RESISTOR> | |
| R2301 | 1-216-025-00 | RES,CHIP 100 5% 1/10W | |
| R2302 | 1-216-025-00 | RES,CHIP 100 5% 1/10W | |
| R2303 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2305 | 1-216-025-00 | RES,CHIP 100 5% 1/10W | |
| R2306 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2307 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2308 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2402 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R2403 | 1-216-105-00 | RES,CHIP 220K 5% 1/10W | |
| R2404 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2405 | 1-216-059-00 | RES,CHIP 2.7K 5% 1/10W | |
| R2406 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | |
| R2407 | 1-216-039-00 | RES,CHIP 390 5% 1/10W | |
| R2408 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2409 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| R2411 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | |
| R2412 | 1-216-031-00 | RES,CHIP 180 5% 1/10W | |
| R2413 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2414 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| R2415 | 1-216-101-00 | RES,CHIP 150K 5% 1/10W | |
| R2416 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2417 | 1-216-065-00 | RES,CHIP 4.7K 5% 1/10W | |
| R2418 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | |
| R2419 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2420 | 1-216-059-00 | RES,CHIP 2.7K 5% 1/10W | |
| R2421 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | |
| R2422 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2423 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2424 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | |
| R2425 | 1-216-047-91 | RES,CHIP 820 5% 1/10W | |
| R2426 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | |
| R2427 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R2428 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| R2430 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |

# P1 AG

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R2431 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2432 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2433 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2434 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2435 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2436 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R2437 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R2438 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2440 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2441 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2442 | 1-216-295-00 | SHORT | 0 | | |
| R2443 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R2444 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W |
| R2445 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2446 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2447 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2448 | 1-216-047-91 | RES,CHIP | 820 | 5% | 1/10W |
| R2449 | 1-216-045-00 | RES,CHIP | 680 | 5% | 1/10W |
| R2450 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2451 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R2452 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2453 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2454 | 1-216-689-11 | RES,CHIP | 39K | 5% | 1/10W |
| R2455 | 1-216-047-91 | RES,CHIP | 820 | 5% | 1/10W |
| R2456 | 1-216-045-00 | RES,CHIP | 680 | 5% | 1/10W |
| R2457 | 1-216-649-11 | METAL CHIP | 820 | 0.50% | 1/10W |
| R2458 | 1-216-001-00 | RES,CHIP | 10 | 5% | 1/10W |
| R2459 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W |
| R2460 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2461 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| R2462 | 1-216-670-11 | METAL CHIP | 6.2K | 0.50% | 1/10W |
| R2463 | 1-216-645-11 | METAL CHIP | 560 | 0.50% | 1/10W |
| R2464 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W |
| R2465 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2466 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2467 | 1-216-001-00 | RES,CHIP | 10 | 5% | 1/10W |
| R2468 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2469 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2470 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R2472 | 1-216-109-00 | RES,CHIP | 330K | 5% | 1/10W |
| R2473 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2474 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2475 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| R2476 | 1-216-295-00 | SHORT | 0 | | |
| R2477 | 1-216-295-00 | SHORT | 0 | | |
| R2478 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2479 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2480 | 1-216-105-00 | RES,CHIP | 220K | 5% | 1/10W |
| R2481 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| R2483 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2484 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2485 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2486 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2487 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2488 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2489 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2490 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2491 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2492 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2493 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2494 | 1-216-295-00 | SHORT | 0 | | |
| R2495 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2496 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2497 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2498 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2499 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2500 | 1-216-295-00 | SHORT | 0 | | |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R2501 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2502 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2503 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2801 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R2802 | 1-216-668-11 | METAL CHIP | 5.1K | 0.50% | 1/10W |
| R2803 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2804 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R2805 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2806 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R2807 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| R2808 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2809 | 1-216-093-91 | RES,CHIP | 68K | 5% | 1/10W |
| R2810 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2811 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2812 | 1-216-045-00 | RES,CHIP | 680 | 5% | 1/10W |
| R2813 | 1-216-295-00 | SHORT | 0 | | |
| R2814 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2815 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2816 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2817 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2818 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2819 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2820 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2821 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2825 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2826 | 1-216-047-91 | RES,CHIP | 820 | 5% | 1/10W |
| R2827 | * 1-216-029-00 | RES,CHIP | 150 | 5% | 1/10W |
| R2828 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W |
| R2830 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2831 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2832 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2833 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2834 | 1-216-047-91 | RES,CHIP | 820 | 5% | 1/10W |
| R2835 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2836 | 1-216-689-11 | RES,CHIP | 39K | 5% | 1/10W |
| R2837 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2838 | 1-216-295-00 | SHORT | 0 | | |
| R2839 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |

<TUNER>

| | | | |
|---|---|---|---|
| TU2301 | 8-598-373-20 | FSS TUNER BTF-FG431 | |

<CRYSTAL>

| | | | |
|---|---|---|---|
| X2401 | 1-760-095-21 | VIBRATOR, CRYSTAL | |
| X2402 | 1-567-504-11 | OSCILLATOR, CRYSTAL | |
| X2403 | 1-567-505-11 | OSCILLATOR, CRYSTAL | |

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|---|---|---|---|---|---|
| | * A-1298-632-A | AG COMPL (GE/HK/AUS MODEL) | | | |
| | | ********** | | | |
| | * A-1298-673-A | AG COMPL (ME MODEL) | | | |
| | | ********** | | | |

<CAPACITOR>

| | | | | | |
|---|---|---|---|---|---|
| C101 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C102 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C103 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C104 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C105 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C106 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C107 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C108 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C109 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C110 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C111 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C112 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C113 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C114 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C115 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C116 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C117 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C118 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C119 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C120 | 1-163-137-00 | CERAMIC CHIP | 680PF | 5% | 50V |
| C121 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C122 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C123 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C124 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C125 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C126 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C127 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C128 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C129 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C300 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C301 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C303 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C304 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C305 | 1-164-505-11 | CERAMIC CHIP | 2.2MF | | 16V |
| C306 | 1-164-505-11 | CERAMIC CHIP | 2.2MF | | 16V |
| C307 | 1-164-505-11 | CERAMIC CHIP | 2.2MF | | 16V |
| C308 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C309 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C310 | 1-126-962-11 | ELECT | 3.3MF | 20% | 50V |
| C311 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C312 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C313 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C316 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C317 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C318 | 1-164-505-11 | CERAMIC CHIP | 2.2MF | | 16V |
| C319 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C321 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C323 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C324 | 1-163-035-00 | CERAMIC CHIP | 0.047MF | | 50V |
| C325 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C326 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C327 | 1-137-581-11 | FILM | 0.1MF | 5% | 100V |
| C328 | 1-130-777-00 | FILM | 0.1MF | 5% | 63V |
| C329 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C330 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C331 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C332 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C333 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C334 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C335 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C336 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C337 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C338 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C339 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C340 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C341 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C342 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C343 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C344 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C345 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C346 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C347 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C348 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C349 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C350 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C351 | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V |
| C352 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C353 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C401 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C402 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C403 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C404 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C405 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C406 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C407 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C408 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C409 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C410 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C411 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C412 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C413 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C414 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C415 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C416 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C417 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V |
| C418 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C421 | 1-164-505-11 | CERAMIC CHIP | 2.2MF | | 16V |
| C422 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C423 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C424 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C425 | 1-164-505-11 | CERAMIC CHIP | 2.2MF | | 16V |
| C426 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C427 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C428 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C430 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C431 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C432 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C433 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C434 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C435 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C436 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C437 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C438 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C439 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C440 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C441 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C442 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C443 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C1001 | 1-163-233-11 | CERAMIC CHIP | 18PF | 5% | 50V |
| C1002 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1004 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1006 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1008 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1009 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C1010 | 1-163-245-11 | CERAMIC CHIP | 56PF | 5% | 50V |
| C1011 | 1-163-245-11 | CERAMIC CHIP | 56PF | 5% | 50V |
| C1012 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1013 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1014 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1015 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C1016 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C1017 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V |
| C1018 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V |
| C1019 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1020 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1021 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1022 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1023 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C1024 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C1025 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1026 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C1028 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V |
| C1029 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C1030 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |

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| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C1031 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C1032 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C1033 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V |
| C2001 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2002 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C2004 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2005 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2006 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2008 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2009 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C2010 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C2011 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C2012 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C2013 | 1-164-505-11 | CERAMIC CHIP | 2.2MF | | 16V |
| C2014 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C2015 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2016 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2017 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2018 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2019 | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| C2020 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2022 | 1-163-031-11 | CERAMIC CHIP | 0.01MF | | 50V |
| C2023 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2024 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C2025 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2026 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2027 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C2029 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2030 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2031 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2032 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2033 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C2035 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2036 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2037 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2038 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2039 | 1-104-666-11 | ELECT | 220MF | 20% | 25V |
| C2040 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2041 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2042 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2043 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2044 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C2045 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C2046 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2047 | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C2048 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2049 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2050 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2051 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C2052 | 1-163-087-00 | CERAMIC CHIP | 4PF | 0.25PF | 50V |
| C2053 | 1-163-087-00 | CERAMIC CHIP | 4PF | 0.25PF | 50V |
| C2054 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C2055 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2056 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C2057 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2059 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C2060 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2061 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C2062 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C2063 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2064 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2065 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C2066 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2067 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2068 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2069 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2070 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2071 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2072 | 1-126-962-11 | ELECT | 3.3MF | 20% | 50V |
| C2073 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C2074 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2075 | 1-163-131-00 | CERAMIC CHIP | 390PF | 5% | 50V |
| C2076 | 1-163-131-00 | CERAMIC CHIP | 390PF | 5% | 50V |
| C2077 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C2078 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C2079 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C2080 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2081 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C2082 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C2083 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2084 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C2085 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V |
| C2086 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C2087 | 1-163-007-11 | CERAMIC CHIP | 680PF | 10% | 50V |
| C2088 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V |
| C2089 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C2090 | 1-163-007-11 | CERAMIC CHIP | 680PF | 10% | 50V |
| C2091 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2092 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C2093 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C2094 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C2095 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| | | <CONNECTOR> | | | |
| CN101 | * 1-564-505-11 | PLUG, CONNECTOR 2P | | | |
| CN102 | 1-695-915-11 | TAB (CONTACT) | | | |
| CN103 | 1-695-915-11 | TAB (CONTACT) | | | |
| CN104 | 1-695-915-11 | TAB (CONTACT) | | | |
| CN401 | * 1-564-515-11 | PLUG, CONNECTOR 12P | | | |
| CN402 | * 1-564-516-11 | PLUG, CONNECTOR 13P | | | |
| CN403 | * 1-564-511-11 | PLUG, CONNECTOR 8P | | | |
| CN405 | * 1-564-510-11 | PLUG, CONNECTOR 7P | | | |
| CN407 | * 1-564-596-11 | PLUG, CONNECTOR 15P | | | |
| CN408 | 1-695-302-11 | CONNECTOR, BOARD TO BOARD 50P | | | |
| CN1002 | * 1-564-515-11 | PLUG, CONNECTOR 12P | | | |
| CN2001 | * 1-770-747-11 | CONNECTOR, BOARD TO BOARD 12P | | | |
| CN2004 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | | |
| | | <DIODE> | | | |
| D101 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D102 | 8-719-422-12 | DIODE MA8039 | | | |
| D104 | 8-719-976-96 | DIODE DTZ4.7C | | | |
| D105 | 8-719-977-81 | DIODE DTZ33B | | | |
| D301 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D306 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D307 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D401 | 8-719-047-16 | DIODE BAS216 | | | |
| D402 | 8-719-047-16 | DIODE BAS216 | | | |
| D403 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D414 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D2001 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2002 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2003 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2004 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2005 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2006 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2007 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2008 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2009 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2010 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2011 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2012 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2013 | 8-719-977-22 | DIODE DTZ9.1 | | | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| D2014 | 8-719-977-22 | DIODE DTZ9.1 | |
| D2015 | 8-719-047-16 | DIODE BAS216 | |
| | | <FERRITE BEAD> | |
| FB401 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB402 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB403 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB404 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB405 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB406 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB407 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB2001 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB2002 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB2003 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB2004 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB2005 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| FB2006 | 1-414-235-11 | INDUCTOR CHIP 0UH | |
| | | <FILTER> | |
| FL101 | 1-236-071-11 | ENCAPSULATED COMPONENT | |
| FL102 | 1-236-071-11 | ENCAPSULATED COMPONENT | |
| FL103 | 1-236-071-11 | ENCAPSULATED COMPONENT | |
| FL104 | 1-236-071-11 | ENCAPSULATED COMPONENT | |
| FL105 | 1-236-071-11 | ENCAPSULATED COMPONENT | |
| FL401 | 1-233-765-21 | FILTER | |
| FL402 | 1-233-765-21 | FILTER | |
| FL403 | 1-233-765-21 | FILTER | |
| FL1001 | 1-236-071-11 | ENCAPSULATED COMPONENT | |
| | | <IC> | |
| IC301 | 8-752-076-87 | IC CXA2050S | |
| IC401 | 8-759-436-89 | IC MC141627FT | |
| IC402 | 8-759-430-79 | IC TDA8395T/N3 | |
| IC403 | 8-759-565-20 | IC TDA4665T/V5-118 | |
| IC404 | 8-752-072-94 | IC CXA1875AM-T4 | |
| IC1001 | 8-759-527-76 | IC M24C08-MN6T | |
| IC1002 | 8-759-394-57 | IC PST593C-MMP-4P | |
| IC1003 | 8-752-904-42 | IC CXP85452-214Q-TL (GE/HK/AUS MODEL) | |
| IC1003 | 8-752-904-61 | IC CXP85452-215Q-TL (ME MODEL) | |
| IC2001 | 8-759-090-21 | IC TDA8424 | |
| IC2002 | 8-752-068-45 | IC CXA1855Q | |
| IC2003 | 8-759-491-95 | IC MSP3410D-PS-B4-T-ND | |
| IC2004 | 8-759-100-96 | IC uPC4558G2 | |
| IC2006 | 8-759-394-57 | IC PST593C-MMP-4P | |
| | | <JACK> | |
| J2001 | 1-565-666-12 | TERMINAL, S 4P (S-VIDEO IN) | |
| J2002 | 1-784-652-11 | JACK BLOCK, PIN 12P (AUDIO/VIDEO IN, OUT) | |
| | | <COIL> | |
| L101 | 1-412-006-31 | INDUCTOR CHIP 10UH | |
| L102 | 1-412-005-11 | INDUCTOR CHIP 8.2UH | |
| L103 | 1-412-005-11 | INDUCTOR CHIP 8.2UH | |
| L104 | 1-410-993-11 | INDUCTOR CHIP 1UH | |
| L105 | 1-412-006-31 | INDUCTOR CHIP 10UH | |
| L301 | 1-408-603-31 | INDUCTOR 10UH | |
| L401 | 1-412-002-31 | INDUCTOR CHIP 4.7UH | |
| L1001 | 1-408-605-31 | INDUCTOR 15UH | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| | | <TRANSISTOR> | |
| Q101 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q102 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q103 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q104 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q301 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q303 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q304 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q308 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q309 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q310 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q311 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q312 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q313 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q401 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q402 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q403 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q404 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q405 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q406 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q407 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q408 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q409 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q410 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q412 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q414 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q415 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q416 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q417 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q418 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q419 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q420 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q421 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q422 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q423 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q425 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q426 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2001 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2002 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2003 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2004 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2005 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2006 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2007 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2008 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2009 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q2010 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q2011 | 8-729-822-44 | TRANSISTOR 2SA1524 | |
| Q2012 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |

| | | | | | |
|---|---|---|---|---|---|
| | | <RESISTOR> | | | |
| R101 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R102 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R103 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R104 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R106 | 1-216-027-00 | RES,CHIP | 120 | 5% | 1/10W |
| R107 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| R108 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| R109 | 1-216-075-00 | RES,CHIP | 12K | 5% | 1/10W |
| R111 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R112 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R113 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R114 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| R115 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R116 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R117 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |

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| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R118 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W |
| R119 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R120 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R121 | 1-216-095-00 | RES,CHIP | 82K | 5% | 1/10W |
| R122 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R123 | 1-208-845-11 | RES,CHIP | 1M | 5% | 1/10W |
| R124 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R125 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R126 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R127 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R192 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R193 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R194 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R195 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R301 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R303 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R304 | 1-216-045-00 | RES,CHIP | 680 | 5% | 1/10W |
| R305 | 1-216-109-00 | RES,CHIP | 330K | 5% | 1/10W |
| R307 | 1-216-129-00 | RES,CHIP | 2.2M | 5% | 1/10W |
| R308 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R309 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R310 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R311 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R315 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R316 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R317 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R318 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R319 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R320 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R321 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R322 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R323 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R324 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R325 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R329 | 1-216-125-00 | RES,CHIP | 1.5M | 5% | 1/10W |
| R331 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R332 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R333 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R335 | 1-216-129-00 | RES,CHIP | 2.2M | 5% | 1/10W |
| R338 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R339 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R340 | 1-216-295-00 | SHORT | 0 | | |
| R341 | 1-216-675-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R348 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W |
| R349 | 1-216-644-11 | METAL CHIP | 510 | 0.50% | 1/10W |
| R350 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W |
| R352 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R353 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R354 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R355 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R356 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R357 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R358 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R359 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R360 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R361 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R362 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R363 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R365 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R366 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R367 | 1-216-093-91 | RES,CHIP | 68K | 5% | 1/10W |
| R368 | 1-216-133-00 | RES,CHIP | 3.3M | 5% | 1/10W |
| R369 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R370 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R371 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R372 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R374 | 1-216-295-00 | SHORT | 0 | | |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R375 | 1-216-105-00 | RES,CHIP | 220K | 5% | 1/10W |
| R401 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R402 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R403 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R404 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R405 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R406 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R407 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R408 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R409 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R410 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R411 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R412 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R413 | 1-216-295-00 | SHORT | 0 | | |
| R414 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R417 | 1-216-295-00 | SHORT | 0 | | |
| R418 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R419 | 1-216-652-11 | METAL CHIP | 1.1K | 0.50% | 1/10W |
| R420 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R421 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R422 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R423 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R424 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R425 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R426 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R427 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W |
| R428 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R429 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R430 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R431 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R432 | 1-216-001-00 | RES,CHIP | 10 | 5% | 1/10W |
| R433 | 1-216-001-00 | RES,CHIP | 10 | 5% | 1/10W |
| R434 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R435 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R437 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R440 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R441 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R442 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| R443 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| R444 | 1-216-295-00 | SHORT | 0 | | |
| R445 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R446 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R447 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R448 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R449 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R450 | 1-216-295-00 | SHORT | 0 | | |
| R451 | 1-216-017-00 | RES,CHIP | 47 | 5% | 1/10W |
| R452 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R453 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R454 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R455 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R456 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R457 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R458 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R459 | 1-216-045-00 | RES,CHIP | 680 | 5% | 1/10W |
| R460 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R461 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| R462 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| R463 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R464 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R465 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R466 | 1-216-045-00 | RES,CHIP | 680 | 5% | 1/10W |
| R467 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R468 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R469 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| R470 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R471 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R472 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R473 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R474 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R475 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R476 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1005 | 1-216-667-11 | METAL CHIP | 4.7K | 0.50% | 1/10W |
| R1006 | 1-216-667-11 | METAL CHIP | 4.7K | 0.50% | 1/10W |
| R1007 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1008 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1009 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1010 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1011 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1012 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1013 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1014 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1015 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1016 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1017 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1018 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1019 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1020 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1022 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R1023 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R1024 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R1025 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1026 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1027 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1028 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1029 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1031 | 1-216-295-00 | SHORT | 0 | | |
| R1032 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1033 | 1-216-295-00 | SHORT | 0 | | |
| R1035 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1036 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1038 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1039 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1040 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1041 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1042 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1043 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1044 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1047 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1048 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1050 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1051 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1052 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1053 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1054 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1055 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1056 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1057 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1058 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1060 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1061 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1062 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1064 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1065 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1066 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1067 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1068 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1069 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1070 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1071 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1072 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2001 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2002 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| R2003 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R2004 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| R2005 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2006 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2007 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2008 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2009 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2010 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2012 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2013 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2014 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2015 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2016 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R2017 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2018 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2019 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R2020 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2022 | 1-216-022-00 | RES,CHIP | 75 | 5% | 1/10W |
| R2023 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2024 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2025 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2026 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2027 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2028 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2029 | 1-216-022-00 | RES,CHIP | 75 | 5% | 1/10W |
| R2030 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2031 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2032 | 1-216-022-00 | RES,CHIP | 75 | 5% | 1/10W |
| R2033 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2034 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R2035 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2036 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2037 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2038 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2039 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2040 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2041 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2042 | 1-216-022-00 | RES,CHIP | 75 | 5% | 1/10W |
| R2043 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2044 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2045 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2046 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2047 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2048 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2049 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2050 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2051 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2052 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2053 | 1-216-023-00 | RES,CHIP | 82 | 5% | 1/10W |
| R2054 | 1-216-048-00 | RES,CHIP | 910 | 5% | 1/10W |
| R2056 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2057 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2058 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2059 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2060 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2061 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2063 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2064 | 1-216-021-00 | RES,CHIP | 68 | 5% | 1/10W |
| R2065 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2066 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| R2067 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2068 | 1-216-295-00 | SHORT | 0 | | |
| R2069 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| R2070 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2071 | 1-216-295-00 | SHORT | 0 | | |
| R2072 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2073 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2074 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2075 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

**AG G**

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R2076 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2077 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2078 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| R2079 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2080 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2081 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2082 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2083 | 1-216-048-00 | RES,CHIP | 910 | 5% | 1/10W |
| R2084 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2085 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R2086 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2087 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2088 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2089 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2090 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2091 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2092 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2093 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2094 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2095 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2096 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2097 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2098 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2099 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2100 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2101 | 1-216-295-00 | SHORT | 0 | | |
| R2102 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2103 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3301 | 1-216-295-00 | SHORT | 0 | | |
| R3302 | 1-216-295-00 | SHORT | 0 | | |
| R3303 | 1-216-295-00 | SHORT | 0 | | |
| R3390 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |

<TUNER>

| | | | |
|---|---|---|---|
| TU101 | ⚠ 8-598-372-20 | TUNER, FSS BTF-FG441 | |

<CRYSTAL>

| | | | |
|---|---|---|---|
| X301 | 1-767-127-11 | VIBRATOR, CERAMIC | |
| X302 | 1-567-504-11 | OSCILLATOR, CRYSTAL | |
| X303 | 1-567-505-11 | OSCILLATOR, CRYSTAL | |
| X1001 | 1-577-358-21 | VIBRATOR, CERAMIC | |
| X2001 | 1-760-628-11 | VIBRATOR, CRYSTAL | |

**********

| | | | |
|---|---|---|---|
| * A-1316-394-A | G COMPL | | |
| | ********** | | |
| 4-382-854-11 | SCREW (M3X10), P, SW (+) | | |

<CAPACITOR>

| | | | | | |
|---|---|---|---|---|---|
| C6001 | ⚠ 1-119-894-51 | CERAMIC | 2200PF | 20% | 250V |
| C6002 | ⚠ 1-104-708-51 | FILM | 0.47MF | 20% | 250V |
| C6003 | 1-126-943-11 | ELECT | 2200MF | 20% | 25V |
| C6004 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C6006 | ⚠ 1-104-706-51 | FILM | 0.22MF | 20% | 250V |
| C6007 | ⚠ 1-119-894-51 | CERAMIC | 2200PF | 20% | 250V |
| C6009 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C6010 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| C6011 | 1-107-678-11 | ELECT | 4.7MF | 20% | 450V |
| C6012 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| C6013 | 1-117-227-11 | FILM | 1MF | 10% | 450V |
| C6014 | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| C6016 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C6018 | 1-119-868-11 | ELECT | 820MF | 20% | 450V |
| C6019 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C6020 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C6021 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V |
| C6022 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C6023 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| C6024 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C6025 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C6026 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C6028 | 1-125-969-91 | CERAMIC | 680PF | 10% | 1KV |
| C6029 | 1-125-969-91 | CERAMIC | 680PF | 10% | 1KV |
| C6030 | 1-115-405-11 | FILM | 0.039MF | 3% | 1KV |
| C6031 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C6032 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C6033 | 1-136-479-11 | FILM | 0.001MF | 2% | 50V |
| C6034 | 1-101-810-00 | CERAMIC | 100PF | 5% | 500V |
| C6035 | 1-101-810-00 | CERAMIC | 100PF | 5% | 500V |
| C6036 | 1-126-768-11 | ELECT | 2200MF | 20% | 16V |
| C6037 | 1-126-943-11 | ELECT | 2200MF | 20% | 25V |
| C6038 | 1-128-548-11 | ELECT | 4700MF | 20% | 25V |
| C6039 | 1-126-972-11 | ELECT | 1000MF | 20% | 50V |
| C6040 | 1-126-972-11 | ELECT | 1000MF | 20% | 50V |
| C6041 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C6042 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C6043 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C6044 | 1-107-641-11 | ELECT | 220MF | 20% | 160V |
| C6045 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C6046 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C6047 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| C6048 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C6049 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C6050 | 1-109-954-11 | ELECT | 0.47MF | 20% | 160V |
| C6051 | 1-126-935-11 | ELECT | 470MF | 20% | 6.3V |
| C6052 | 1-125-969-91 | CERAMIC | 680PF | 10% | 1KV |
| C6053 | 1-125-969-91 | CERAMIC | 680PF | 10% | 1KV |
| C6055 | 1-107-641-11 | ELECT | 220MF | 20% | 160V |
| C6056 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C6058 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C6059 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C6060 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C6061 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C6062 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C6063 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C6064 | ⚠ 1-161-964-51 | CERAMIC | 0.0047MF | | 250V |
| C6065 | ⚠ 1-161-964-51 | CERAMIC | 0.0047MF | | 250V |

<CONNECTOR>

| | | | |
|---|---|---|---|
| CN6001 | 1-695-915-11 | TAB (CONTACT) | |
| CN6002 | 1-695-915-11 | TAB (CONTACT) | |
| CN6005 | * 1-580-843-11 | PIN, CONNECTOR (POWER) | |
| CN6006 | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | |
| CN6007 | * 1-691-291-11 | PIN, CONNECTOR (PC BOARD) 5P | |
| CN6008 | * 1-564-509-11 | PLUG, CONNECTOR 6P | |
| CN6009 | 1-695-915-11 | TAB (CONTACT) | |
| CN6011 | * 1-573-986-11 | PIN, CONNECTOR (PC BOARD) 5P | |
| CN6012 | * 1-508-766-00 | PIN, CONNECTOR (5mm PITCH) 4P | |
| CN6013 | * 1-508-765-00 | PIN, CONNECTOR (5mm PITCH) 3P | |

<DIODE>

| | | |
|---|---|---|
| D6001 | 8-719-110-31 | DIODE RD12ESB2 |
| D6002 | 8-719-052-91 | DIODE D4SBS4-F |
| D6003 | 8-719-022-99 | DIODE D6SB60L |
| D6004 | 8-719-057-96 | DIODE D10SC6M-4012 |
| D6005 | 8-719-921-88 | DIODE MTZJ-13B |
| D6006 | 8-719-991-33 | DIODE 1SS133T-77 |
| D6007 | 8-719-911-55 | DIODE U05G |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF. NO. | | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|---|
| D6008 | | 8-719-979-64 | DIODE UF4005PKG23 | |
| D6009 | | 8-719-059-23 | DIODE P6KE200AG23 | |
| D6010 | | 8-719-028-72 | DIODE RGP02-17EL-6433 | |
| D6011 | | 8-719-982-26 | DIODE MTZJ-33B | |
| D6012 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6013 | | 8-719-110-03 | DIODE RD7.5ESB2 | |
| D6014 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6015 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6016 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6017 | | 8-719-063-73 | DIODE D1NL20U-TR | |
| D6018 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6019 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6020 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6021 | | 8-719-979-64 | DIODE UF4005PKG23 | |
| D6022 | | 8-719-110-53 | DIODE RD20ESB2 | |
| D6023 | | 8-719-979-64 | DIODE UF4005PKG23 | |
| D6024 | | 8-719-110-53 | DIODE RD20ESB2 | |
| D6025 | | 8-719-063-73 | DIODE D1NL20U-TR | |
| D6026 | | 8-719-110-53 | DIODE RD20ESB2 | |
| D6027 | | 8-719-110-53 | DIODE RD20ESB2 | |
| D6028 | | 8-719-911-19 | DIODE 1SS119-25 | |
| D6029 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6032 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6033 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6035 | | 8-719-018-83 | DIODE D2S4M | |
| D6036 | | 8-719-018-83 | DIODE D2S4M | |
| D6037 | | 8-719-031-78 | DIODE S2L40F | |
| D6038 | | 8-719-312-47 | DIODE RBA-406B | |
| D6042 | | 8-719-979-64 | DIODE UF4005PKG23 | |
| D6043 | | 8-719-110-53 | DIODE RD20ESB2 | |
| D6044 | | 8-719-979-64 | DIODE UF4005PKG23 | |
| D6045 | | 8-719-110-53 | DIODE RD20ESB2 | |
| D6046 | | 8-719-110-53 | DIODE RD20ESB2 | |
| D6047 | | 8-719-110-53 | DIODE RD20ESB2 | |
| D6048 | | 8-719-921-88 | DIODE MTZJ-13B | |
| D6049 | | 8-719-031-78 | DIODE S2L40F | |
| D6050 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| D6051 | | 8-719-991-33 | DIODE 1SS133T-77 | |
| | | | <FUSE> | |
| F6001 | ⚠ | 1-576-232-11 | FUSE (H.B.C.) 5A/250V | |
| | | 1-533-230-11 | HOLDER, FUSE ; F6001 | |
| | | | <FERRITE BEAD> | |
| FB6009 | | 1-410-397-21 | FERRITE 1.1UH | |
| | | | <IC> | |
| IC6001 | ⚠ | 8-759-468-89 | IC TOP209P | |
| IC6002 | | 8-759-103-93 | IC uPC393C | |
| IC6003 | | 8-759-185-47 | IC IR2112 | |
| IC6004 | | 8-759-077-25 | IC IR3M02A | |
| IC6005 | ⚠ | 8-749-924-35 | PHOTO COUPLER ON3171-R | |
| IC6006 | ⚠ | 8-749-924-35 | PHOTO COUPLER ON3171-R | |
| IC6007 | | 8-759-185-47 | IC IR2112 | |
| IC6008 | | 8-749-920-61 | IC SE-135N | |
| | | | <COIL> | |
| L6002 | | 1-412-525-31 | INDUCTOR 10UH | |
| L6003 | | 1-412-525-31 | INDUCTOR 10UH | |
| L6004 | | 1-412-525-31 | INDUCTOR 10UH | |
| L6005 | | 1-412-525-31 | INDUCTOR 10UH | |
| L6006 | | 1-412-525-31 | INDUCTOR 10UH | |
| L6008 | | 1-412-533-21 | INDUCTOR 47UH | |
| L6009 | | 1-412-523-41 | INDUCTOR 6.8UH | |
| L6010 | | 1-412-523-41 | INDUCTOR 6.8UH | |
| L6011 | | 1-412-525-31 | INDUCTOR 10UH | |
| L6012 | | 1-406-971-21 | INDUCTOR 10UH | |
| | | | <IC LINK> | |
| PS6001 | ⚠ | 1-533-595-31 | LINK, IC | |
| PS6002 | ⚠ | 1-533-595-31 | LINK, IC | |
| PS6003 | ⚠ | 1-533-597-31 | LINK, IC | |
| | | | <TRANSISTOR> | |
| Q6001 | | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q6002 | | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q6003 | | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q6004 | | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q6005 | | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q6006 | | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q6007 | | 8-729-028-10 | TRANSISTOR IRFI744G-LF | |
| Q6008 | | 8-729-028-10 | TRANSISTOR IRFI744G-LF | |
| Q6009 | | 8-729-140-97 | TRANSISTOR 2SB734-34 | |
| Q6010 | | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q6011 | | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q6012 | | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q6013 | | 8-729-820-82 | TRANSISTOR 2SA1208-T | |
| Q6014 | | 8-729-028-10 | TRANSISTOR IRFI744G-LF | |
| Q6015 | | 8-729-028-10 | TRANSISTOR IRFI744G-LF | |
| Q6016 | | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q6017 | | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q6018 | | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| | | | <RESISTOR> | |

| | | | | | | |
|---|---|---|---|---|---|---|
| R6000 | ⚠ | 1-202-885-91 | SOLID | 1M | 20% | 1/2W |
| R6001 | | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R6002 | ⚠ | 1-218-265-21 | METAL | 8.2M | 5% | 1W |
| R6003 | | 1-216-683-11 | METAL CHIP | 22K | 0.50% | 1/10W |
| R6004 | | 1-215-481-00 | METAL | 330K | 1% | 1/4W |
| R6005 | | 1-215-481-00 | METAL | 330K | 1% | 1/4W |
| R6006 | | 1-215-482-00 | METAL | 360K | 1% | 1/4W |
| R6007 | | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R6008 | | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W |
| R6009 | | 1-215-479-00 | METAL | 270K | 1% | 1/4W |
| R6010 | | 1-215-479-00 | METAL | 270K | 1% | 1/4W |
| R6011 | | 1-216-675-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R6012 | | 1-216-657-11 | METAL CHIP | 1.8K | 0.50% | 1/10W |
| R6013 | | 1-202-962-11 | CEMENTED | 3.3 | 5% | 10W |
| R6014 | | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R6015 | | 1-247-895-00 | CARBON | 470K | 5% | 1/4W |
| R6016 | | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R6017 | | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R6018 | | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R6019 | | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R6020 | | 1-216-691-11 | METAL CHIP | 47K | 0.50% | 1/10W |
| R6021 | | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R6022 | | 1-247-791-91 | CARBON | 22 | 5% | 1/4W |
| R6023 | | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R6024 | ⚠ | 1-240-303-11 | CMT,MELF | 0.22 | 5% | 10W |
| R6025 | | 1-249-402-11 | CARBON | 56 | 5% | 1/4W F |
| R6026 | ⚠ | 1-240-303-11 | CMT,MELF | 0.22 | 5% | 10W |
| R6027 | | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R6028 | | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R6029 | | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R6030 | | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R6031 | | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R6033 | ⚠ | 1-220-886-61 | FUSIBLE | 0.1 | 10% | 1W F |
| R6034 | | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R6035 | | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

**G** **CG**

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R6036 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R6037 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R6038 | 1-216-295-00 | SHORT | 0 | | |
| R6039 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R6040 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R6041 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R6042 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R6043 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R6044 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R6045 | 1-216-657-11 | METAL CHIP | 1.8K | 0.50% | 1/10W |
| R6046 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R6047 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R6048 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R6049 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R6050 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R6051 | 1-216-674-11 | METAL CHIP | 9.1K | 0.50% | 1/10W |
| R6052 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R6053 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R6054 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R6055 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R6056 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R6057 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R6058 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R6059 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R6060 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R6061 | 1-215-477-00 | METAL | 220K | 1% | 1/4W |
| R6062 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R6063 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R6064 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R6065 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R6066 | 1-216-366-00 | METAL OXIDE | 0.56 | 5% | 2W F |
| R6067 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R6068 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R6069 | 1-215-477-00 | METAL | 220K | 1% | 1/4W |
| R6070 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R6071 | 1-215-453-00 | METAL | 22K | 1% | 1/4W |
| R6072 | 1-215-476-00 | METAL | 200K | 1% | 1/4W |
| R6073 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R6075 | 1-216-358-11 | METAL OXIDE | 5.6 | 5% | 1W F |
| R6079 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R6080 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R6081 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R6082 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R6083 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R6084 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R6085 | ⚠ 1-212-849-61 | FUSIBLE | 4.7 | 5% | 1/4W F |
| R6086 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R6087 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R6088 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R6089 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R6094 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| | | <RELAY> | | | |
| RY6003 | ⚠ 1-515-999-11 | RELAY, POWER | | | |
| | | <TRANSFORMER> | | | |
| T6002 | ⚠ 1-431-207-11 | TRANSFORMER, LINE FILTER | | | |
| T6004 | ⚠ 1-431-732-12 | TRANSFORMER, CONVERTER (SRT) | | | |
| T6005 | ⚠ 1-429-807-12 | TRANSFORMER, CONVERTER (PIT) | | | |

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| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | * A-1331-833-A | CG MOUNT | | | |
| | | ********** | | | |
| | | <CAPACITOR> | | | |
| C733 | 1-161-754-00 | CERAMIC | 0.001MF | 10% | 2KV |
| C734 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C735 | 1-161-830-00 | CERAMIC | 0.0047MF | | 500V |
| C736 | 1-162-115-00 | CERAMIC | 330PF | 10% | 2KV |
| C737 | 1-107-662-11 | ELECT | 22MF | 20% | 250V |
| C738 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |
| C739 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C740 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| | | <CONNECTOR> | | | |
| CN731 | 1-695-915-11 | TAB (CONTACT) | | | |
| CN732 | * 1-564-508-11 | PLUG, CONNECTOR 5P | | | |
| CN733 | * 1-564-511-11 | PLUG, CONNECTOR 8P | | | |
| CN734 | * 1-508-784-00 | PIN, CONNECTOR (5mm PITCH) 1P | | | |
| CN735 | ⚠ 1-251-182-31 | SOCKET, PICTURE TUBE | | | |
| CN736 | * 1-564-512-11 | PLUG, CONNECTOR 9P | | | |
| CN737 | * 1-564-512-11 | PLUG, CONNECTOR 9P | | | |
| | | <DIODE> | | | |
| D731 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D732 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D733 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D735 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D736 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| | | <COIL> | | | |
| L731 | 1-408-623-31 | INDUCTOR 470UH | | | |
| L732 | 1-408-619-31 | INDUCTOR 220UH | | | |
| | | <TRANSISTOR> | | | |
| Q731 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | |
| Q732 | 8-729-045-56 | TRANSISTOR 2SC2611-15 | | | |
| Q733 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| | | <RESISTOR> | | | |
| R731 | 1-219-743-11 | CARBON | 100 | 5% | 1/2W |
| R732 | 1-260-132-11 | CARBON | 560K | 5% | 1/2W |
| R733 | 1-215-923-00 | METAL OXIDE | 10K | 5% | 3W F |
| R735 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R736 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R737 | 1-260-099-11 | CARBON | 1K | 5% | 1/2W |
| R738 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R739 | 1-260-133-11 | CARBON | 680K | 5% | 1/2W |
| R740 | 1-202-818-00 | SOLID | 1K | 20% | 1/2W |
| R741 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| R742 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R744 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W |
| R745 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R746 | 1-202-814-11 | SOLID | 33K | 20% | 1/2W |
| | | <SPARK GAP> | | | |
| SG731 | 1-519-422-11 | GAP, SPARK | | | |
| SG732 | 1-519-422-11 | GAP, SPARK | | | |
| SG733 | 1-519-422-11 | GAP, SPARK | | | |

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The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

# KP-EF41HK2/ME2/MN2/SN2, EF48HK2/ME2/MN2/SN2, EF53HK2/ME2/MN2/SN2 RM-871

**CB** **CR**

| REF. NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | * A-1331-834-A | CB MOUNT ********** | | | | |
| | | <CAPACITOR> | | | | |
| C762 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | |
| C763 | 1-161-754-00 | CERAMIC | 0.001MF | 10% | 2KV | |
| C764 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V | |
| C765 | 1-161-830-00 | CERAMIC | 0.0047MF | 500V | | |
| C766 | 1-162-115-00 | CERAMIC | 330PF | 10% | 2KV | |
| C767 | 1-107-662-11 | ELECT | 22MF | 20% | 250V | |
| C768 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C769 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | |
| C770 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| | | <CONNECTOR> | | | | |
| CN761 | 1-695-915-11 | TAB (CONTACT) | | | | |
| CN762 | * 1-564-508-11 | PLUG, CONNECTOR 5P | | | | |
| CN763 | * 1-508-784-00 | PIN, CONNECTOR (5mm PITCH) 1P | | | | |
| CN764 | ⚠ 1-251-182-31 | SOCKET, PICTURE TUBE | | | | |
| CN765 | * 1-564-512-11 | PLUG, CONNECTOR 9P | | | | |
| CN766 | * 1-564-513-11 | PLUG, CONNECTOR 10P | | | | |
| | | <DIODE> | | | | |
| D761 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D762 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D763 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D765 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D766 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| | | <COIL> | | | | |
| L761 | 1-408-623-31 | INDUCTOR 470UH | | | | |
| L762 | 1-408-619-31 | INDUCTOR 220UH | | | | |
| | | <TRANSISTOR> | | | | |
| Q761 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | | |
| Q762 | 8-729-045-56 | TRANSISTOR 2SC2611-15 | | | | |
| Q763 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q764 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | |
| | | <RESISTOR> | | | | |
| R761 | 1-219-743-11 | CARBON | 100 | 5% | 1/2W | |
| R762 | 1-260-132-11 | CARBON | 560K | 5% | 1/2W | |
| R763 | 1-215-923-00 | METAL OXIDE | 10K | 5% | 3W | F |
| R765 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R766 | 1-260-099-11 | CARBON | 1K | 5% | 1/2W | |
| R767 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R768 | 1-260-133-11 | CARBON | 680K | 5% | 1/2W | |
| R769 | 1-202-818-00 | SOLID | 1K | 20% | 1/2W | |
| R770 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R771 | 1-219-743-11 | CARBON | 100 | 5% | 1/2W | |
| R772 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R773 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R774 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | |
| R775 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R776 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R777 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R778 | 1-202-814-11 | SOLID | 33K | 20% | 1/2W | |
| R779 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| | | <SPARK GAP> | | | | |
| SG761 | 1-519-422-11 | GAP, SPARK | | | | |
| SG762 | 1-519-422-11 | GAP, SPARK | | | | |
| SG763 | 1-519-422-11 | GAP, SPARK | | | | |

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| REF. NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | * A-1331-835-A | CR MOUNT ********** | | | | |
| | | <CAPACITOR> | | | | |
| C702 | 1-102-113-00 | CERAMIC | 390PF | 10% | 50V | |
| C703 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | |
| C705 | ⚠ 1-161-754-00 | CERAMIC | 0.001MF | 10% | 2KV | |
| C708 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C709 | 1-162-115-00 | CERAMIC | 330PF | 10% | 2KV | |
| C710 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C712 | 1-107-662-11 | ELECT | 22MF | 20% | 250V | |
| C713 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | |
| | | <CONNECTOR> | | | | |
| CN701 | 1-695-915-11 | TAB (CONTACT) | | | | |
| CN702 | * 1-564-511-11 | PLUG, CONNECTOR 8P | | | | |
| CN703 | * 1-564-510-11 | PLUG, CONNECTOR 7P | | | | |
| CN704 | * 1-508-784-00 | PIN, CONNECTOR (5mm PITCH) 1P | | | | |
| CN705 | ⚠ 1-251-182-31 | SOCKET, PICTURE TUBE | | | | |
| CN706 | * 1-564-512-11 | PLUG, CONNECTOR 9P | | | | |
| | | <DIODE> | | | | |
| D701 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D704 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D705 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D706 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D708 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| D709 | 8-719-109-84 | DIODE RD5.1ESB1 | | | | |
| | | <COIL> | | | | |
| L701 | 1-410-682-31 | INDUCTOR 470UH | | | | |
| L702 | 1-408-619-31 | INDUCTOR 220UH | | | | |
| | | <TRANSISTOR> | | | | |
| Q701 | 8-729-200-17 | TRANSISTOR 2SA1091-O | | | | |
| Q703 | 8-729-045-56 | TRANSISTOR 2SC2611-15 | | | | |
| Q704 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q705 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | |
| Q706 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | |
| | | <RESISTOR> | | | | |
| R701 | 1-219-743-11 | CARBON | 100 | 5% | 1/2W | |
| R704 | 1-260-132-11 | CARBON | 560K | 5% | 1/2W | |
| R706 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R707 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R708 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R709 | 1-260-099-11 | CARBON | 1K | 5% | 1/2W | |
| R710 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R711 | 1-215-923-00 | METAL OXIDE | 10K | 5% | 3W | F |
| R714 | 1-202-818-00 | SOLID | 1K | 20% | 1/2W | |
| R715 | 1-260-133-11 | CARBON | 680K | 5% | 1/2W | |
| R716 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R717 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R718 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R719 | 1-219-743-11 | CARBON | 100 | 5% | 1/2W | |
| R720 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |

# CR V2 D

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R721 | 1-202-814-11 | SOLID | 33K | 20% | 1/2W |
| R722 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R723 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| | | <SPARK GAP> | | | |
| SG701 | 1-519-422-11 | GAP, SPARK | | | |
| SG702 | 1-519-422-11 | GAP, SPARK | | | |
| SG703 | 1-519-422-11 | GAP, SPARK | | | |

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* A-1342-428-A V2 MOUNT
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| | | | | | |
|---|---|---|---|---|---|
| | | <CAPACITOR> | | | |
| C3506 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C3507 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C3509 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3510 | 1-164-505-11 | CERAMIC CHIP | 2.2MF | | 16V |
| C3511 | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V |
| C3512 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C3513 | 1-163-239-11 | CERAMIC CHIP | 33PF | 5% | 50V |
| C3514 | 1-163-239-11 | CERAMIC CHIP | 33PF | 5% | 50V |
| C3515 | 1-109-982-11 | CERAMIC CHIP | 1MF | 10% | 10V |
| C3517 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3519 | 1-163-113-00 | CERAMIC CHIP | 68PF | 5% | 50V |
| C3522 | 1-104-664-11 | ELECT | 47MF | 20% | 16V |
| C3524 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C3525 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C3530 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C3532 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C3538 | 1-163-233-11 | CERAMIC CHIP | 18PF | 5% | 50V |
| C3539 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| | | <CONNECTOR> | | | |
| CN3501 | * 1-564-508-11 | PLUG, CONNECTOR 5P | | | |
| CN3502 | * 1-564-515-11 | PLUG, CONNECTOR 12P | | | |
| | | <DIODE> | | | |
| D3502 | 8-719-914-44 | DIODE DAP202K | | | |
| D3503 | 8-719-105-46 | DIODE RD3.3M-B2 | | | |
| | | <FERRITE BEAD> | | | |
| FB3501 | 1-410-682-31 | INDUCTOR 470UH | | | |
| FB3502 | 1-410-397-21 | FERRITE | 1.1UH | | |
| FB3503 | 1-410-397-21 | FERRITE | 1.1UH | | |
| FB3504 | 1-410-397-21 | FERRITE | 1.1UH | | |
| FB3505 | 1-410-397-21 | FERRITE | 1.1UH | | |
| | | <IC> | | | |
| IC3501 | 8-759-476-87 | IC SAA5261 | | | |
| | | <CHIP CONDUCTOR> | | | |
| JR3501 | 1-216-295-00 | SHORT | 0 | | |
| | | <TRANSISTOR> | | | |
| Q3501 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | | |
| Q3502 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| Q3506 | 8-729-901-00 | TRANSISTOR DTC124EK | | | |
| Q3507 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| Q3509 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| Q3510 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| | | <RESISTOR> | | | |
| R3501 | 1-216-295-00 | SHORT | 0 | | |
| R3504 | 1-216-295-00 | SHORT | 0 | | |
| R3507 | 1-216-295-00 | SHORT | 0 | | |
| R3508 | 1-216-295-00 | SHORT | 0 | | |
| R3509 | 1-216-295-00 | SHORT | 0 | | |
| R3511 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3512 | 1-216-295-00 | SHORT | 0 | | |
| R3514 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3515 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R3517 | 1-216-295-00 | SHORT | 0 | | |
| R3518 | 1-216-295-00 | SHORT | 0 | | |
| R3519 | 1-216-295-00 | SHORT | 0 | | |
| R3522 | 1-216-295-00 | SHORT | 0 | | |
| R3526 | 1-216-295-00 | SHORT | 0 | | |
| R3527 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R3528 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R3529 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R3533 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3535 | 1-216-295-00 | SHORT | 0 | | |
| R3539 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3540 | 1-216-295-00 | SHORT | 0 | | |
| R3542 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R3544 | 1-216-295-00 | SHORT | 0 | | |
| R3546 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3547 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R3548 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R3549 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R3550 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R3551 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3552 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3554 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R3555 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R3556 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R3557 | 1-216-295-00 | SHORT | 0 | | |
| R3558 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3559 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R3560 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R3563 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R3571 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| | | <CRYSTAL> | | | |
| X3501 | 1-578-774-11 | VIBRATOR, CRYSTAL | | | |

**********

* A-1346-763-A D COMPL
**********

| | | | | | |
|---|---|---|---|---|---|
| | 4-066-101-01 | SPACER, INSULATING | | | |
| | 4-070-912-01 | HEAT SINK, V OUT | | | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | | |
| | | <CAPACITOR> | | | |
| C1501 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C1503 | 1-137-399-11 | FILM | 0.1MF | 5% | 100V |
| C1504 | 1-164-690-91 | CERAMIC CHIP | 0.0022MF | 5% | 50V |
| C1506 | 1-126-969-11 | ELECT | 220MF | 20% | 50V |
| C1507 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C1508 | 1-137-401-11 | FILM | 0.22MF | 10% | 100V |
| C1509 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C1510 | 1-126-972-11 | ELECT | 1000MF | 20% | 50V |
| C1511 | 1-126-972-11 | ELECT | 1000MF | 20% | 50V |
| C1512 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1513 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1514 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1516 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C1517 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1518 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1519 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C1520 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1521 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1523 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C1524 | 1-136-177-00 | FILM | 1MF | 5% | 50V |
| C1525 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C1526 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1527 | 1-163-145-00 | CERAMIC CHIP | 0.0015MF | 5% | 50V |
| C1528 | 1-163-145-00 | CERAMIC CHIP | 0.0015MF | 5% | 50V |
| C1529 | 1-164-690-91 | CERAMIC CHIP | 0.0022MF | 5% | 50V |
| C1530 | 1-104-664-11 | ELECT | 47MF | 20% | 16V |
| C1531 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1532 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1601 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C1602 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C1603 | 1-130-495-00 | FILM | 0.1MF | 5% | 50V |
| C1604 | 1-130-495-00 | FILM | 0.1MF | 5% | 50V |
| C1605 | 1-107-715-11 | ELECT | 22MF | 20% | 50V |
| C1606 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1607 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C1610 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1611 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1612 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1613 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C1614 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C1617 | 1-130-495-00 | FILM | 0.1MF | 5% | 50V |
| C1618 | 1-130-495-00 | FILM | 0.1MF | 5% | 50V |
| C1619 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C1621 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C1622 | 1-164-690-91 | CERAMIC CHIP | 0.0022MF | 5% | 50V |
| C1624 | 1-130-495-00 | FILM | 0.1MF | 5% | 50V |
| C1626 | 1-130-495-00 | FILM | 0.1MF | 5% | 50V |
| C1627 | 1-164-690-91 | CERAMIC CHIP | 0.0022MF | 5% | 50V |
| C1628 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1630 | 1-128-550-21 | ELECT | 2200MF | 20% | 50V |
| C1631 | 1-128-550-21 | ELECT | 2200MF | 20% | 50V |
| C1632 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1633 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1634 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V |
| C1635 | 1-104-666-11 | ELECT | 220MF | 20% | 25V |
| C1650 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1651 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1701 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1702 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1703 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1704 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1705 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1706 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1707 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1708 | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C1709 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1710 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C1711 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C1715 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1716 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1717 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1718 | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| C1719 | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| C1720 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1721 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1723 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C1724 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C1725 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C1726 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C1727 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C1802 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1803 | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C1804 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1805 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1806 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C1807 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1808 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1809 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C1810 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1811 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C1812 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1813 | 1-104-666-11 | ELECT | 220MF | 20% | 25V |
| C1814 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C1815 | 1-104-666-11 | ELECT | 220MF | 20% | 25V |
| C1816 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1817 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1818 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C1819 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C1820 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C1821 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1822 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C1823 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1824 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C1825 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1826 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C1827 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1828 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1829 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1830 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |

<CONNECTOR>

| | | | |
|---|---|---|---|
| CN1501 | * | 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN1502 | | 1-695-915-11 | TAB (CONTACT) |
| CN1601 | * | 1-564-508-11 | PLUG, CONNECTOR 5P |
| CN1604 | * | 1-564-507-11 | PLUG, CONNECTOR 4P |
| CN1605 | * | 1-508-766-00 | PIN, CONNECTOR (5mm PITCH) 4P |
| CN1606 | * | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |
| CN1701 | * | 1-564-511-11 | PLUG, CONNECTOR 8P |
| CN1702 | * | 1-564-516-11 | PLUG, CONNECTOR 13P |
| CN1703 | * | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |
| CN1705 | * | 1-564-505-11 | PLUG, CONNECTOR 2P |
| CN1708 | * | 1-564-510-11 | PLUG, CONNECTOR 7P |
| CN1801 | | 1-695-299-11 | CONNECTOR, BOARD TO BOARD 50P |
| CN1802 | * | 1-764-334-11 | PLUG, CONNECTOR 11P |
| CN1803 | * | 1-564-513-11 | PLUG, CONNECTOR 10P |
| CN1804 | * | 1-564-508-11 | PLUG, CONNECTOR 5P |
| CN1805 | * | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |
| CN1806 | * | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |
| CN1807 | * | 1-564-511-11 | PLUG, CONNECTOR 8P |
| CN1808 | * | 1-564-510-11 | PLUG, CONNECTOR 7P |

<DIODE>

| | | |
|---|---|---|
| D1501 | 8-719-109-89 | DIODE RD5.6ESB2 |
| D1502 | 8-719-908-03 | DIODE GP08D |
| D1503 | 8-719-908-03 | DIODE GP08D |
| D1504 | 8-719-991-33 | DIODE 1SS133T-77 |
| D1505 | 8-719-988-61 | DIODE 1SS355TE-17 |
| D1601 | 8-719-991-33 | DIODE 1SS133T-77 |
| D1603 | 8-719-991-33 | DIODE 1SS133T-77 |

**D**

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| D1604 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D1606 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D1611 | 8-719-921-86 | DIODE MTZJ-13 | |
| D1612 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D1613 | 8-719-921-86 | DIODE MTZJ-13 | |
| D1614 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D1615 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D1616 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D1617 | 8-719-403-00 | DIODE MA3240-TX | |
| D1618 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D1619 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D1620 | 8-719-403-00 | DIODE MA3240-TX | |
| D1621 | 8-719-403-00 | DIODE MA3240-TX | |
| D1622 | 8-719-403-00 | DIODE MA3240-TX | |
| D1703 | 8-719-109-89 | DIODE RD5.6ESB2 | |
| D1704 | 8-719-109-89 | DIODE RD5.6ESB2 | |
| D1705 | 8-719-109-84 | DIODE RD5.1ESB1 | |
| D1706 | 8-719-109-84 | DIODE RD5.1ESB1 | |
| D1707 | 8-719-109-84 | DIODE RD5.1ESB1 | |
| D1708 | 8-719-109-84 | DIODE RD5.1ESB1 | |
| D1709 | 8-719-109-81 | DIODE RD4.7ESB2 | |
| D1710 | 8-719-109-81 | DIODE RD4.7ESB2 | |
| D1711 | 8-719-109-81 | DIODE RD4.7ESB2 | |
| D1712 | 8-719-109-81 | DIODE RD4.7ESB2 | |
| D1801 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | |
| D1802 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | |
| D1803 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | |
| D1804 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | |
| D1805 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | |
| D1806 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | |
| | | <IC> | |
| IC1501 | 8-759-192-71 | IC STV9379 | |
| IC1502 | 8-759-251-31 | IC CA0007AM | |
| IC1503 | 8-759-998-98 | IC LM358D | |
| IC1602 | 8-759-250-68 | IC TDA7264 | |
| IC1603 | 8-759-502-21 | IC TDA2822M | |
| IC1701 | 8-752-895-09 | IC CXP86213-002S | |
| IC1702 | 8-759-527-76 | IC M24C08-MN6T | |
| IC1703 | 8-759-100-96 | IC uPC4558G2 | |
| IC1704 | 8-759-100-96 | IC uPC4558G2 | |
| IC1706 | 8-759-352-91 | IC PST9143NL | |
| IC1801 | 8-759-144-82 | IC uPC2405HF | |
| IC1802 | 8-759-095-63 | IC PQ09RF2 | |
| IC1803 | 8-759-231-58 | IC TA7812S | |
| IC1804 | 8-759-069-28 | IC PQ05RF11 | |
| IC1805 | 8-759-100-96 | IC uPC4558G2 | |
| | | <JACK> | |
| J1601 | 1-784-653-11 | JACK, PHONO 2P (AUDIO OUT) | |
| | | <CHIP CONDUCTOR> | |
| JR1502 | 1-216-295-91 | SHORT 0 | |
| JR1503 | 1-216-295-91 | SHORT 0 | |
| JR1504 | 1-216-295-91 | SHORT 0 | |
| JR1505 | 1-216-295-91 | SHORT 0 | |
| JR1506 | 1-216-295-91 | SHORT 0 | |
| JR1508 | 1-216-295-91 | SHORT 0 | |
| JR1510 | 1-216-295-91 | SHORT 0 | |
| JR1511 | 1-216-295-91 | SHORT 0 | |
| JR1512 | 1-216-295-91 | SHORT 0 | |
| JR1513 | 1-216-295-91 | SHORT 0 | |
| JR1514 | 1-216-295-91 | SHORT 0 | |
| JR1701 | 1-216-295-91 | SHORT 0 | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| | | <COIL> | |
| L1501 | 1-412-524-11 | INDUCTOR 8.2UH | |
| L1601 | 1-402-711-21 | INDUCTOR 1UH | |
| L1602 | 1-402-711-21 | INDUCTOR 1UH | |
| L1701 | 1-408-603-31 | INDUCTOR 10UH | |
| L1702 | 1-408-598-31 | INDUCTOR 3.9UH | |
| L1801 | 1-408-603-31 | INDUCTOR 10UH | |
| | | <TRANSISTOR> | |
| Q1501 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1502 | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q1503 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1505 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1601 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q1602 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1603 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q1604 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q1605 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q1607 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1608 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1609 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q1610 | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q1611 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q1612 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q1613 | 8-729-027-56 | TRANSISTOR DTC143TKA-T146 | |
| Q1614 | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q1615 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1616 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1617 | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q1701 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1702 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1703 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1704 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1705 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1706 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1707 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q1708 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| Q1709 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1710 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1711 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1801 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1802 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1803 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1804 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1805 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1806 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1807 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q1808 | 8-729-920-72 | TRANSISTOR 2SA1037K-T-146-QR | |
| Q1809 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| | | <RESISTOR> | |
| R1501 | 1-216-353-00 | METAL OXIDE 2.2 5% 1W F | |
| R1502 | 1-216-671-11 | METAL CHIP 6.8K 0.50% 1/10W | |
| R1504 | 1-216-675-11 | METAL CHIP 10K 0.50% 1/10W | |
| R1505 | 1-249-377-11 | CARBON 0.47 5% 1/4W F | |
| R1506 | 1-215-888-00 | METAL OXIDE 220 5% 2W F | |
| R1507 | 1-216-081-00 | RES,CHIP 22K 5% 1/10W | |
| R1508 | 1-249-383-11 | CARBON 1.5 5% 1/4W F | |
| R1509 | 1-216-671-11 | METAL CHIP 6.8K 0.50% 1/10W | |
| R1510 | 1-216-675-11 | METAL CHIP 10K 0.50% 1/10W | |
| R1511 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | |
| R1512 | 1-216-085-00 | RES,CHIP 33K 5% 1/10W | |
| R1513 | 1-216-049-00 | RES,CHIP 1K 5% 1/10W | |
| R1514 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R1515 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R1516 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R1517 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1518 | 1-216-353-00 | METAL OXIDE | 2.2 | 5% | 1W F |
| R1519 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1520 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1521 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R1522 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1525 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R1526 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R1527 | 1-216-117-00 | RES,CHIP | 680K | 5% | 1/10W |
| R1528 | 1-216-117-00 | RES,CHIP | 680K | 5% | 1/10W |
| R1529 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1530 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R1531 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1532 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1533 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R1534 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1537 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1538 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R1539 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1540 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R1541 | 1-216-091-00 | RES,CHIP | 56K | 5% | 1/10W |
| R1542 | 1-216-093-91 | RES,CHIP | 68K | 5% | 1/10W |
| R1543 | 1-216-093-91 | RES,CHIP | 68K | 5% | 1/10W |
| R1601 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1602 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1603 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1604 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1605 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1606 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R1607 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R1608 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R1609 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1610 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1611 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R1614 | 1-216-357-00 | METAL OXIDE | 4.7 | 5% | 1W F |
| R1615 | 1-216-357-00 | METAL OXIDE | 4.7 | 5% | 1W F |
| R1617 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| R1618 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1620 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1625 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R1626 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R1629 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1630 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1631 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| R1632 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1633 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R1634 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R1635 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1636 | 1-216-075-00 | RES,CHIP | 12K | 5% | 1/10W |
| R1637 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1638 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1639 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1640 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1641 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1642 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1643 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1644 | 1-216-075-00 | RES,CHIP | 12K | 5% | 1/10W |
| R1645 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1648 | 1-249-381-11 | CARBON | 1 | 5% | 1/4W F |
| R1649 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1650 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1651 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1652 | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W |
| R1653 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1654 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1655 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1656 | 1-216-295-00 | SHORT | 0 | | |
| R1701 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1702 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1703 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1704 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1705 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1706 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1707 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1708 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1709 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1710 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1711 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1712 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1713 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1714 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1715 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1716 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1717 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1718 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1719 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1720 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1721 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1722 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1725 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1726 | 1-216-295-00 | SHORT | 0 | | |
| R1727 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1728 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1729 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1730 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R1731 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1732 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1733 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1734 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1735 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1736 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1737 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1738 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1739 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1740 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1741 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1742 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1743 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1744 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1745 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1746 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1747 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1748 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1749 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1750 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1751 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R1752 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1753 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1754 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1755 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1756 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1757 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1758 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1759 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1760 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1762 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1763 | 1-216-666-11 | METAL CHIP | 4.3K | 0.50% | 1/10W |
| R1764 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1765 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1766 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1767 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1768 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1769 | 1-216-115-00 | RES,CHIP | 560K | 5% | 1/10W |
| R1770 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1771 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

**D E**

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R1772 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1773 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1774 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1775 | 1-216-115-00 | RES,CHIP | 560K | 5% | 1/10W |
| R1778 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1786 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1787 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1788 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1789 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1790 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1791 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1792 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1793 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1794 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1795 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1802 | 1-215-900-11 | METAL OXIDE | 22K | 5% | 2W F |
| R1803 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1804 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1805 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R1806 | 1-216-023-00 | RES,CHIP | 82 | 5% | 1/10W |
| R1807 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1808 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1809 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R1810 | 1-216-023-00 | RES,CHIP | 82 | 5% | 1/10W |
| R1811 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1812 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1813 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1814 | 1-216-023-00 | RES,CHIP | 82 | 5% | 1/10W |
| R1815 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1816 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1817 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1818 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1819 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1820 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1821 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R1822 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1823 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1824 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1825 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1826 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1827 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1828 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1829 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R1830 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R1831 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R1832 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1833 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1834 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1835 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1836 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1837 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1838 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1839 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1840 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1841 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1842 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1843 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R1844 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1845 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1846 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1847 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1848 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R1849 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |

<RELAY>

| | | | |
|---|---|---|---|
| RY1601 | 1-755-028-11 | RELAY | |
| RY1602 | 1-755-028-11 | RELAY | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| | | <TERMINAL BOARD> | |
| TB1601 | 1-694-303-11 | TERMINAL, PUSH | |
| | | <CRYSTAL> | |
| X1701 | 1-579-125-11 | VIBRATOR, CERAMIC | |

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| | | | |
|---|---|---|---|
| | * A-1346-764-A | E COMPL (41 inch MODEL) | |
| | | ********* | |
| | * A-1346-829-A | E COMPL (48/53 inch MODEL) | |
| | | ********* | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | |
| | 7-682-952-09 | SCREW +PSW 3X16 | |
| | | <CAPACITOR> | |

| | | | | | |
|---|---|---|---|---|---|
| C502 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |
| C505 | 1-130-471-00 | FILM | 0.001MF | 5% | 50V |
| C506 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C507 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C508 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C509 | 1-106-383-00 | MYLAR | 0.047MF | 10% | 200V |
| C511 | 1-130-475-00 | MYLAR | 0.0022MF | 5% | 50V |
| C512 | 1-136-479-11 | FILM | 0.001MF | 5% | 50V |
| C513 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C514 | ⚠ 1-162-116-91 | CERAMIC | 680PF | 10% | 2KV |
| C515 | ⚠ 1-125-831-91 | FILM | 0.033MF | 3% | 630V |
| C516 | ⚠ 1-117-648-11 | FILM | 15000PF | 3% | 1.2KV |
| C518 | 1-130-495-00 | FILM | 0.1MF | 5% | 50V |
| C519 | 1-106-359-00 | MYLAR | 0.0047MF | 10% | 100V |
| C520 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV |
| C521 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV |
| C523 | 1-115-521-11 | FILM | 0.82MF | 5% | 250V |
| C524 | 1-106-359-00 | MYLAR | 0.0047MF | 10% | 100V |
| C526 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C527 | 1-126-970-11 | ELECT | 330MF | 20% | 50V |
| C528 | 1-107-957-11 | ELECT | 1MF | 20% | 250V |
| C529 | 1-109-844-11 | FILM | 0.68MF | 5% | 250V |
| C530 | 1-107-648-91 | ELECT | 100MF | 20% | 160V |
| C531 | 1-126-971-11 | ELECT | 470MF | 20% | 50V |
| C532 | 1-126-971-11 | ELECT | 470MF | 20% | 50V |
| C533 | 1-107-655-11 | ELECT | 47MF | 20% | 250V |
| C535 | 1-106-387-00 | MYLAR | 0.068MF | 10% | 200V |
| C536 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C537 | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| C538 | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| C539 | 1-162-114-00 | CERAMIC | 0.0047MF | | 2KV |
| C540 | 1-137-372-11 | FILM | 0.022MF | 5% | 50V |
| C541 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C542 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C544 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C545 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C548 | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V |
| C550 | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C551 | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C554 | 1-130-062-91 | FILM | 0.0056MF | 5% | 630V |
| C555 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C556 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C701 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C801 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C802 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C803 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C804 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C805 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C806 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C807 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C808 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C809 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C810 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C811 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C812 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C813 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C815 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C816 | 1-130-014-00 | FILM | 470PF | 5% | 50V |
| C817 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C818 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C819 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C820 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C821 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C822 | 1-107-648-91 | ELECT | 100MF | 20% | 160V |
| C823 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C824 | 1-126-964-11 | ELECT | 10MF | 20% | 50V (41 inch) |
| C825 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C826 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C827 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C828 | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C829 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |
| C830 | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C831 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C832 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C833 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C834 | 1-126-968-11 | ELECT | 100MF | 20% | 50V |
| C835 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C836 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C837 | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V |
| C838 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C839 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C840 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C841 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C842 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C844 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C845 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C846 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C847 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C848 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C849 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C850 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C851 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C852 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C853 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C854 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C855 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C856 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C857 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C858 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C859 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C860 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C861 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C862 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C863 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C864 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C865 | 1-137-366-11 | FILM | 0.0022MF | 5% | 50V |
| C866 | 1-136-177-00 | FILM | 1MF | 5% | 50V |
| C867 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C868 | 1-164-096-11 | CERAMIC | 0.01MF | | 50V |
| C869 | 1-130-487-00 | MYLAR | 0.022MF | 5% | 50V |
| C870 | 1-164-096-11 | CERAMIC | 0.01MF | | 50V |
| C872 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C873 | 1-126-964-11 | ELECT | 10MF | 20% | 50V (41 inch) |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C876 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C877 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C880 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C881 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C882 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C883 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C884 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C885 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C886 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C887 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C888 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C889 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C897 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |

<CONNECTOR>

| | | | |
|---|---|---|---|
| CN501 | * 1-564-513-11 | PLUG, CONNECTOR 10P | |
| CN502 | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | |
| CN503 | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | |
| CN504 | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | |
| CN505 | * 1-506-371-00 | PIN, CONNECTOR 2P | |
| CN506 | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| CN507 | * 1-564-507-11 | PLUG, CONNECTOR 4P | |
| CN508 | 1-695-915-11 | TAB (CONTACT) | |
| CN651 | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| CN652 | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| CN801 | * 1-564-507-11 | PLUG, CONNECTOR 4P | |
| CN802 | * 1-564-507-11 | PLUG, CONNECTOR 4P | |
| CN803 | * 1-564-507-11 | PLUG, CONNECTOR 4P | |
| CN804 | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| CN805 | * 1-508-766-00 | PIN, CONNECTOR (5mm PITCH) 4P | |
| CN806 | * 1-508-765-00 | PIN, CONNECTOR (5mm PITCH) 3P | |
| CN807 | * 1-564-509-11 | PLUG, CONNECTOR 6P | |
| CN808 | * 1-573-986-11 | PIN, CONNECTOR (PC BOARD) 5P | |
| CN810 | * 1-573-963-11 | PIN, CONNECTOR (PC BOARD) 3P | |

<DIODE>

| | | |
|---|---|---|
| D501 | 8-719-991-33 | DIODE 1SS133T-77 |
| D502 | 8-719-991-33 | DIODE 1SS133T-77 |
| D503 | 8-719-991-33 | DIODE 1SS133T-77 |
| D504 | 8-719-921-63 | DIODE MTZJ-7.5B |
| D507 | 8-719-302-43 | DIODE EL1Z |
| D508 | 8-719-900-26 | DIODE ERD29-08J |
| D509 | 8-719-945-80 | DIODE ERC06-15S |
| D510 | 8-719-991-33 | DIODE 1SS133T-77 |
| D511 | 8-719-302-43 | DIODE EL1Z |
| D512 | 8-719-991-33 | DIODE 1SS133T-77 |
| D513 | 8-719-302-43 | DIODE EL1Z |
| D514 | 8-719-908-03 | DIODE GP08D |
| D515 | 8-719-908-03 | DIODE GP08D |
| D517 | 8-719-018-82 | DIODE RGP02-20EL-6394 |
| D519 | 8-719-991-33 | DIODE 1SS133T-77 |
| D520 | 8-719-302-43 | DIODE EL1Z |
| D521 | 8-719-302-43 | DIODE EL1Z |
| D522 | 8-719-991-33 | DIODE 1SS133T-77 (41 inch) |
| D523 | 8-719-991-33 | DIODE 1SS133T-77 (41 inch) |
| D524 | 8-719-991-33 | DIODE 1SS133T-77 |
| D527 | 8-719-109-85 | DIODE RD5.1ESB2 |
| D701 | 8-719-109-63 | DIODE RD3.0ESB2 |
| D702 | 8-719-991-33 | DIODE 1SS133T-77 |
| D820 | 8-719-109-68 | DIODE RD3.6ESB1 |
| D829 | 8-719-109-84 | DIODE RD5.1ESB1 |
| D835 | 8-719-109-89 | DIODE RD5.6ESB2 |
| D840 | 8-719-991-33 | DIODE 1SS133T-77 |
| D842 | 8-719-991-33 | DIODE 1SS133T-77 |
| D845 | 8-719-991-33 | DIODE 1SS133T-77 |
| D846 | 8-719-991-33 | DIODE 1SS133T-77 |

**E**

• The components identified by ⋈ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| | | <FERRITE BEAD> | |
| FB501 | 1-410-397-21 | FERRITE 1.1UH | |
| | | <IC> | |
| IC501 | 8-759-133-90 | IC uPC339C | |
| IC801 | 8-759-327-51 | IC PA0053B | |
| IC802 | 8-759-327-51 | IC PA0053B | |
| IC803 | 8-759-183-37 | IC CA0007AD | |
| IC804 | 8-759-464-79 | IC PM0011AS | |
| IC805 | 8-759-711-28 | IC NJM2058D | |
| IC806 | 8-759-464-79 | IC PM0011AS | |
| IC808 | 8-759-464-79 | IC PM0011AS | |
| IC809 | 8-749-014-37 | IC STK392-150 | |
| IC810 | 8-749-014-37 | IC STK392-150 | |
| IC811 | 8-759-981-96 | IC RC4560D | |
| IC812 | 8-759-701-56 | IC NJM78M05FA | |
| IC813 | 8-759-701-65 | IC NJM79M05FA | |
| | | <COIL> | |
| L502 | 1-410-478-11 | INDUCTOR 47UH | |
| L503 | 1-459-111-00 | INDUCTOR 10mH | |
| L505 | ⚠ 1-416-637-11 | COIL, HORIZONTAL LINEARITY | |
| L506 | 1-412-552-11 | INDUCTOR 2.2mH | |
| L801 | 1-406-979-11 | INDUCTOR 220UH | |
| L802 | 1-406-979-11 | INDUCTOR 220UH | |
| L803 | 1-406-665-11 | INDUCTOR 100UH | |
| | | <NEON LAMP> | |
| NL501 | 1-519-108-99 | LAMP, NEON | |
| | | <IC LINK> | |
| PS601 | ⚠ 1-533-597-31 | LINK, IC | |
| PS602 | ⚠ 1-533-597-31 | LINK, IC | |
| PS603 | ⚠ 1-533-593-31 | LINK, IC | |
| PS604 | ⚠ 1-533-593-31 | LINK, IC | |
| PS605 | ⚠ 1-533-593-31 | LINK, IC | |
| PS606 | ⚠ 1-533-593-31 | LINK, IC | |
| PS607 | ⚠ 1-533-593-31 | LINK, IC | |
| PS608 | ⚠ 1-533-593-31 | LINK, IC | |
| | | <TRANSISTOR> | |
| Q501 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | |
| Q502 | 8-729-044-29 | TRANSISTOR 2SD2539(LBSONY-1) | |
| Q503 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q504 | 8-729-823-81 | TRANSISTOR 2SC4632LS-CB7 | |
| Q505 | 8-729-038-83 | TRANSISTOR 2SK2251-01-F19 | |
| Q506 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q507 | 8-729-032-61 | TRANSISTOR 2SC5022-02 | |
| Q701 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q702 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q801 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q802 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q803 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q804 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q805 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q806 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q807 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (41 inch) | |
| Q808 | 8-729-030-02 | TRANSISTOR DTC144ESA | |
| Q809 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q810 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q811 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q812 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | | <RESISTOR> | | | |
| ⋈R1 | ⚠ | METAL | | 1% | 1/4W |
| R501 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R502 | 1-216-441-21 | METAL OXIDE | 27K | 5% | 1W F |
| R503 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R504 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W |
| R505 | 1-247-885-00 | CARBON | 180K | 5% | 1/4W |
| R506 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R507 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W |
| R508 | 1-260-338-51 | CARBON | 6.8K | 5% | 1/2W |
| R509 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R510 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W F |
| R511 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W F |
| R512 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W F |
| R513 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R514 | 1-215-443-00 | METAL | 8.2K | 1% | 1/4W |
| R516 | 1-215-473-00 | METAL | 150K | 1% | 1/4W |
| R517 | 1-215-449-00 | METAL | 15K | 1% | 1/4W |
| R518 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W |
| R519 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R522 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R523 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R524 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R525 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W F |
| R527 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R528 | 1-215-910-00 | METAL OXIDE | 68 | 5% | 3W F |
| R529 | 1-215-449-00 | METAL | 15K | 1% | 1/4W |
| R530 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R531 | 1-260-326-11 | CARBON | 680 | 5% | 1/2W |
| R532 | 1-260-315-71 | CARBON | 82 | 5% | 1/2W |
| R533 | 1-214-912-00 | METAL | 91K | 1% | 1/2W |
| R534 | 1-215-479-00 | METAL | 270K | 1% | 1/4W |
| R535 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R536 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R537 | 1-260-336-11 | CARBON | 4.7K | 5% | 1/2W |
| R538 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R539 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R540 | 1-249-379-11 | CARBON | 0.68 | 5% | 1/4W F |
| R541 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R542 | 1-215-864-00 | METAL OXIDE | 150 | 5% | 1W F |
| R543 | 1-216-349-00 | METAL OXIDE | 1 | 5% | 1W F |
| R544 | 1-215-864-00 | METAL OXIDE | 150 | 5% | 1W F |
| R545 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R546 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R547 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R548 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R549 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (48/53 inch) |
| R549 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W (41 inch) |
| R550 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R551 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R552 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R553 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R554 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W F |
| R555 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R556 | 1-260-099-11 | CARBON | 1K | 5% | 1/2W |
| R557 | 1-216-490-11 | METAL OXIDE | 39K | 5% | 3W F |
| R558 | 1-216-490-11 | METAL OXIDE | 39K | 5% | 3W F |
| R559 | 1-216-490-11 | METAL OXIDE | 39K | 5% | 3W F |
| R560 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| R562 | 1-202-838-00 | SOLID | 100K | 10% | 1/2W |
| R563 | 1-215-447-00 | METAL | 12K | 1% | 1/4W |
| R565 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R566 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R567 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R568 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R569 | 1-216-392-11 | METAL OXIDE | 1.8 | 5% | 3W F |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R570 | 1-215-910-00 | METAL OXIDE | 68 | 5% | 3W F |
| R571 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W |
| R572 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W |
| R573 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R574 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R576 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R577 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W |
| R578 | 1-215-473-00 | METAL | 150K | 1% | 1/4W (41 inch) |
| R579 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W |
| R580 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R581 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R583 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R584 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R585 | 1-216-490-11 | METAL OXIDE | 39K | 5% | 3W F |
| R586 | 1-215-892-11 | METAL OXIDE | 1K | 5% | 2W F |
| R588 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R589 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R591 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R595 | 1-215-464-00 | METAL | 62K | 1% | 1/4W (41 inch) |
| R596 | 1-215-473-00 | METAL | 150K | 1% | 1/4W (41 inch) |
| R597 | 1-215-464-00 | METAL | 62K | 1% | 1/4W (41 inch) |
| R701 | 1-215-449-00 | METAL | 15K | 1% | 1/4W |
| R702 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R703 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R704 | 1-215-457-00 | METAL | 33K | 1% | 1/4W |
| R705 | 1-215-457-00 | METAL | 33K | 1% | 1/4W |
| R706 | 1-215-457-00 | METAL | 33K | 1% | 1/4W |
| R801 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R802 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R803 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R804 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R805 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R806 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R807 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R808 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R809 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R810 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R811 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R813 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R814 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R815 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R816 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R817 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R818 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R819 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R820 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R821 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R822 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R823 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R824 | 1-215-462-00 | METAL | 51K | 1% | 1/4W |
| R825 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R826 | 1-215-462-00 | METAL | 51K | 1% | 1/4W |
| R827 | 1-216-474-11 | METAL OXIDE | 82 | 5% | 3W F |
| R828 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R829 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R830 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W |
| R831 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W |
| R832 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R833 | 1-216-474-11 | METAL OXIDE | 82 | 5% | 3W F |
| R834 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R835 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R836 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R837 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R838 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R839 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R841 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R842 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R843 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R844 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R845 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R846 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R847 | 1-215-481-00 | METAL | 330K | 1% | 1/4W |
| R848 | 1-215-449-00 | METAL | 15K | 1% | 1/4W |
| R850 | 1-215-481-00 | METAL | 330K | 1% | 1/4W |
| R851 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R852 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R853 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R854 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R856 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R857 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R858 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R859 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R860 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R861 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R862 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R863 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R865 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W |
| R866 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (41 inch) |
| R867 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R868 | 1-215-443-00 | METAL | 8.2K | 1% | 1/4W |
| R869 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R870 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (41 inch) |
| R871 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R872 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R873 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R874 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R875 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R877 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W (41 inch) |
| R878 | 1-215-469-00 | METAL | 100K | 1% | 1/4W (41 inch) |
| R879 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R881 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R882 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R883 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R884 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R885 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R886 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R887 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R888 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R889 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R890 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R891 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R892 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W (41 inch) |
| R893 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W (41 inch) |
| R894 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R895 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R896 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R897 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R898 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R900 | 1-216-474-11 | METAL OXIDE | 82 | 5% | 3W F |
| R901 | 1-215-449-00 | METAL | 15K | 1% | 1/4W |
| R902 | 1-215-449-00 | METAL | 15K | 1% | 1/4W |
| R903 | 1-215-421-00 | METAL | 1K | 1% | 1/4W |
| R904 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R905 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R906 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R908 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R909 | 1-215-421-00 | METAL | 1K | 1% | 1/4W |
| R910 | 1-215-421-00 | METAL | 1K | 1% | 1/4W |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

# E H1

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R911 | 1-215-461-00 | METAL | 47K | 1% | 1/4W |
| R912 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R913 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R914 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R915 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R916 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R917 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R918 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R919 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R920 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R921 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R922 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R923 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R924 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R925 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R926 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R927 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R928 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R929 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R930 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R931 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R933 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R934 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W |
| R935 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R936 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R937 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W |
| R938 | 1-215-421-00 | METAL | 1K | 1% | 1/4W |
| R939 | 1-259-878-11 | CARBON | 1.5M | 5% | 1/4W |
| R940 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R941 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R942 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R943 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R944 | 1-215-421-00 | METAL | 1K | 1% | 1/4W |
| R945 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W (48/53 inch) |
| R945 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W (41 inch) |
| R946 | 1-215-421-00 | METAL | 1K | 1% | 1/4W |
| R947 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R948 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R949 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R950 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R951 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R952 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R953 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R954 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W |
| R955 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W |
| R956 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R957 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R958 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R959 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W |
| R961 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R962 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R963 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R964 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W |
| R965 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W |
| R966 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R967 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R968 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R969 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R970 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R971 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R972 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R973 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R974 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R975 | 1-214-800-11 | METAL | 2.2 | 1% | 1/2W |
| R976 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W |
| R978 | 1-215-443-00 | METAL | 8.2K | 1% | 1/4W |
| R979 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R980 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R981 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R982 | 1-215-469-00 | METAL | 100K | 1% | 1/4W |
| R983 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R984 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R985 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R986 | 1-215-449-00 | METAL | 15K | 1% | 1/4W |
| R987 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R988 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R989 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R990 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R991 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R993 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R994 | 1-216-474-11 | METAL OXIDE | 82 | 5% | 3W F |
| R997 | 1-215-445-00 | METAL | 10K | 1% | 1/4W |
| R998 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R999 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R1901 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R1904 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| | | <SPARK GAP> | | | |
| SG501 | 1-519-422-11 | GAP, SPARK | | | |
| | | <TRANSFORMER> | | | |
| T501 | 1-437-195-11 | TRANSFORMER, HORIZONTAL DRIVE | | | |
| T502 | ⚠ 1-431-211-11 | TRANSFORMER, FERRITE (PMT) | | | |
| T504 | ⚠ 1-457-307-11 | FBT ASSY, NX-4007//M3T4 | | | |
| ********** | | | | | |
| | * A-1372-518-A | H1 MOUNT ********** | | | |
| | | <CAPACITOR> | | | |
| C3003 | 1-126-157-11 | ELECT | 10MF | 20% | 16V |
| | | <CONNECTOR> | | | |
| CN3001 | * 1-564-519-11 | PLUG, CONNECTOR 4P | | | |
| CN3002 | * 1-564-525-11 | PLUG, CONNECTOR 10P | | | |
| CN3003 | * 1-580-690-11 | PIN, CONNECTOR (PC BOARD) 4P | | | |
| CN3004 | * 1-691-292-11 | PIN, CONNECTOR (PC BOARD) 3P | | | |
| | | <DIODE> | | | |
| D3002 | 8-719-992-06 | DIODE SLA-580LT3F | | | |
| | | <IC> | | | |
| IC3002 | 8-742-014-11 | HYB IC SBX1981-51 | | | |
| | | <TRANSISTOR> | | | |
| Q3002 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| | | <RESISTOR> | | | |
| R3001 | 1-216-683-11 | METAL CHIP | 22K | 0.50% | 1/10W |
| R3002 | 1-216-675-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R3006 | 1-216-667-11 | METAL CHIP | 4.7K | 0.50% | 1/10W |
| R3007 | 1-216-661-11 | METAL CHIP | 2.7K | 0.50% | 1/10W |
| R3009 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.



| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R3010 | 1-216-045-00 | RES,CHIP | 680 | 5% | 1/10W |
| | | <SWITCH> | | | |
| S3001 | 1-571-532-21 | SWITCH, TACTIL (PROG +) | | | |
| S3002 | 1-571-532-21 | SWITCH, TACTIL (PROG -) | | | |
| S3003 | 1-571-532-21 | SWITCH, TACTIL (VOL +) | | | |
| S3004 | 1-571-532-21 | SWITCH, TACTIL (VOL -) | | | |
| S3005 | 1-571-532-21 | SWITCH, TACTIL (TV/VIDEO) | | | |
| S3006 | ⚠ 1-571-433-31 | SWITCH, PUSH (AC POWER) | | | |
| ********** | | | | | |
| | * A-1373-691-A | UG MOUNT ********** | | | |
| | | <CAPACITOR> | | | |
| C2901 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C2902 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C2903 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C2904 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2905 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C2906 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C2907 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| | | <CONNECTOR> | | | |
| CN2901 | * 1-564-521-11 | PLUG, CONNECTOR 6P | | | |
| CN2902 | * 1-564-519-11 | PLUG, CONNECTOR 4P | | | |
| | | <DIODE> | | | |
| D2901 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2902 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2903 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2904 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| D2905 | 8-719-977-22 | DIODE DTZ9.1 | | | |
| | | <JACK> | | | |
| J2901 | 1-784-654-11 | JACK BLOCK, PIN (DVD IN) | | | |
| | | <RESISTOR> | | | |
| R2901 | 1-216-022-00 | RES,CHIP | 75 | 5% | 1/10W |
| R2902 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2903 | 1-216-022-00 | RES,CHIP | 75 | 5% | 1/10W |
| R2904 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2905 | 1-216-022-00 | RES,CHIP | 75 | 5% | 1/10W |
| R2906 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2907 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| R2908 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| ********** | | | | | |
| | * A-1375-177-A | H2 COMPL ********** | | | |
| | | <CAPACITOR> | | | |
| C3203 | 1-126-157-11 | ELECT | 10MF | 20% | 16V |
| C3204 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C3205 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| | | <CONNECTOR> | | | |
| CN3201 | * 1-564-519-11 | PLUG, CONNECTOR 4P | | | |
| CN3202 | * 1-564-526-31 | PLUG, CONNECTOR 11P | | | |
| CN3204 | * 1-564-520-11 | PLUG, CONNECTOR 5P | | | |
| | | <JACK> | | | |
| J3201 | 1-784-658-11 | TERMINAL BLOCK, S (S-VIDEO IN) | | | |
| J3202 | 1-507-806-00 | JACK 1P (HEAD PHONE) | | | |
| | | <COIL> | | | |
| L3201 | 1-408-615-31 | INDUCTOR 100UH | | | |
| L3202 | 1-408-615-31 | INDUCTOR 100UH | | | |
| | | <TRANSISTOR> | | | |
| Q3201 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | | | |
| | | <RESISTOR> | | | |
| R3201 | 1-216-667-11 | METAL CHIP | 4.7K | 0.50% | 1/10W |
| R3202 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3203 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R3204 | 1-216-661-11 | METAL CHIP | 2.7K | 0.50% | 1/10W |
| R3205 | 1-216-654-11 | METAL CHIP | 1.3K | 0.50% | 1/10W |
| R3206 | 1-216-675-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R3207 | 1-216-654-11 | METAL CHIP | 1.3K | 0.50% | 1/10W |
| R3208 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R3209 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R3210 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R3211 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R3212 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| | | <SWITCH> | | | |
| S3201 | 1-571-532-21 | SWITCH, TACTIL (MENU) | | | |
| S3202 | 1-571-532-21 | SWITCH, TACTIL (MENU +) | | | |
| S3203 | 1-571-532-21 | SWITCH, TACTIL (MENU -) | | | |
| S3204 | 1-571-532-21 | SWITCH, TACTIL (ENTER) | | | |
| S3205 | 1-571-532-21 | SWITCH, TACTIL (AUTO CONVER) | | | |
| S3206 | 1-571-532-21 | SWITCH, TACTIL (AUTO PROGR) | | | |
| ********** | | | | | |
| | * A-1390-876-A | ZR MOUNT ********** | | | |
| | | <CONNECTOR> | | | |
| CN1401 | * 1-564-510-11 | PLUG, CONNECTOR 7P | | | |
| CN1403 | * 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| CN1404 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | | |
| CN1405 | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | | | |
| | | <CONNECTOR> | | | |
| DY1401 | ⚠ 1-451-455-51 | DEFLECTION YOKE (R) | | | |
| | | <RESISTOR> | | | |
| R1401 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W |
| R1402 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W |
| R1403 | 1-216-476-11 | METAL OXIDE | 180 | 5% | 3W F |
| R1415 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W F |
| R1418 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W F |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

**ZG S**

| REF. NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| ********** | | | | | | |
| | * A-1390-877-A | ZG MOUNT | | | | |
| | | ********** | | | | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | | | |
| | | <CAPACITOR> | | | | |
| C1433 | 1-104-999-11 | MYLAR | 0.1MF | 10% | 200V | |
| C1434 | 1-107-362-11 | FILM | 0.0047MF | 10% | 200V | |
| C1435 | 1-107-667-11 | ELECT | 2.2MF | 20% | 160V | |
| C1436 | 1-130-471-00 | FILM | 0.001MF | 5% | 50V | |
| C1437 | 1-130-471-00 | FILM | 0.001MF | 5% | 50V | |
| C1438 | 1-107-362-11 | FILM | 0.0047MF | 10% | 200V | |
| C1439 | 1-161-830-00 | CERAMIC | 0.0047MF | | 500V | |
| C1440 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | |
| C1441 | 1-104-999-11 | MYLAR | 0.1MF | 10% | 200V | |
| C1443 | 1-126-935-11 | ELECT | 470MF | 20% | 16V | |
| C1444 | 1-107-639-11 | ELECT | 47MF | 20% | 160V | |
| C1445 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | |
| C1446 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | |
| C1450 | 1-130-471-00 | FILM | 0.001MF | 5% | 50V | |
| | | <CONNECTOR> | | | | |
| CN1431 | * 1-564-508-11 | PLUG, CONNECTOR 5P | | | | |
| CN1432 | * 1-564-510-11 | PLUG, CONNECTOR 7P | | | | |
| CN1433 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | | | |
| CN1434 | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | | | | |
| CN1436 | 1-695-915-11 | TAB (CONTACT) | | | | |
| CN1461 | * 1-564-506-11 | PLUG, CONNECTOR 3P | | | | |
| CN1462 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | | | |
| CN1464 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | | | |
| | | <DIODE> | | | | |
| D1431 | ⚠ 8-719-110-88 | DIODE RD39ESB2 (G) | | | | |
| D1432 | 8-719-110-88 | DIODE RD39ESB2 | | | | |
| D1433 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| | | <CONNECTOR> | | | | |
| DY1431 | ⚠ 1-451-455-51 | DEFLECTION YOKE (G) | | | | |
| | | <COIL> | | | | |
| L1431 | 1-410-478-11 | INDUCTOR 47UH | | | | |
| | | <TRANSISTOR> | | | | |
| Q1431 | 8-729-017-06 | TRANSISTOR 2SC4793 | | | | |
| Q1432 | 8-729-017-05 | TRANSISTOR 2SA1837 | | | | |
| Q1433 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | |
| Q1434 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q1435 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q1436 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| | | <RESISTOR> | | | | |
| R1431 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R1432 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R1433 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | F |
| R1435 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W | F |
| R1436 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W | F |
| R1437 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R1438 | 1-215-451-00 | METAL | 18K | 1% | 1/4W | |
| R1439 | 1-215-451-00 | METAL | 18K | 1% | 1/4W | |
| R1440 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | F |
| R1441 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R1442 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R1443 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | F |
| R1444 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R1445 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W | |
| R1448 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1449 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W | |
| R1450 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1451 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R1452 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1453 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R1454 | 1-260-311-11 | CARBON | 39 | 5% | 1/2W | |
| R1455 | 1-249-384-11 | CARBON | 1.8 | 5% | 1/4W | F |
| R1456 | 1-216-476-11 | METAL OXIDE | 180 | 5% | 3W | F |
| R1457 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R1458 | 1-249-384-11 | CARBON | 1.8 | 5% | 1/4W | F |
| R1459 | 1-249-400-11 | CARBON | 39 | 5% | 1/4W | F |
| R1461 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R1462 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R1465 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W | F |
| R1468 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W | F |
| ********** | | | | | | |
| | * A-1390-891-A | S MOUNT | | | | |
| | | ********** | | | | |
| | | <CAPACITOR> | | | | |
| C2201 | 1-104-664-11 | ELECT | 47MF | 20% | 16V | |
| C2224 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | |
| C2227 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V | |
| C2228 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V | |
| C2229 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V | |
| C2230 | 1-163-989-11 | CERAMIC CHIP | 0.033MF | 10% | 25V | |
| C2231 | 1-164-182-11 | CERAMIC CHIP | 0.0033MF | 10% | 50V | |
| C2232 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V | |
| C2233 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V | |
| C2234 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| C2235 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| C2236 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V | |
| C2251 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| C2252 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| C2253 | 1-164-182-11 | CERAMIC CHIP | 0.0033MF | 10% | 50V | |
| C2254 | 1-163-989-11 | CERAMIC CHIP | 0.033MF | 10% | 25V | |
| C2255 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | |
| C2256 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V | |
| C2257 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | |
| C2258 | 1-164-182-11 | CERAMIC CHIP | 0.0033MF | 10% | 50V | |
| C2259 | 1-163-989-11 | CERAMIC CHIP | 0.033MF | 10% | 25V | |
| C2260 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| C2261 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V | |
| C2262 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V | |
| C2263 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V | |
| C2264 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| | | <CONNECTOR> | | | | |
| CN2201 | * 1-770-748-11 | CONNECTOR, BOARD TO BOARD 12P | | | | |
| | | <IC> | | | | |
| IC2201 | 8-752-058-68 | IC CXA1315M | | | | |
| IC2202 | 8-759-009-06 | IC MC14052BF | | | | |
| IC2203 | 8-759-100-96 | IC uPC4558G2 | | | | |

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The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| IC2204 | 8-759-100-96 | IC uPC4558G2 | | | |
| IC2205 | 8-759-100-96 | IC uPC4558G2 | | | |
| IC2206 | 8-759-100-96 | IC uPC4558G2 | | | |
| IC2207 | 8-759-100-96 | IC uPC4558G2 | | | |
| IC2208 | 8-759-496-02 | IC NJM2150D | | | |
| IC2211 | 8-759-009-06 | IC MC14052BF | | | |
| | | <TRANSISTOR> | | | |
| Q4 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | | |
| | | <RESISTOR> | | | |
| R2201 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2202 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2203 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2204 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2205 | 1-216-025-00 | RES,CHIP | 100 | 5% | 1/10W |
| R2206 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2207 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2208 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R2209 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2210 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2211 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2212 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2213 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2214 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2216 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2217 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2218 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2219 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2222 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2223 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2224 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2225 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2226 | 1-216-295-00 | SHORT | 0 | | |
| R2227 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2228 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2230 | 1-216-075-00 | RES,CHIP | 12K | 5% | 1/10W |
| R2231 | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W |
| R2232 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R2233 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2234 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2235 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R2236 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2237 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W |
| R2238 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2239 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2240 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2241 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2242 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2243 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2244 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2245 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2246 | 1-216-079-00 | RES,CHIP | 18K | 5% | 1/10W |
| R2247 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2248 | 1-216-079-00 | RES,CHIP | 18K | 5% | 1/10W |
| R2249 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2250 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2251 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2252 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2253 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R2254 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R2255 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R2256 | 1-216-097-00 | RES,CHIP | 100K | 5% | 1/10W |
| R2257 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2258 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R2259 | 1-216-099-00 | RES,CHIP | 120K | 5% | 1/10W |
| R2260 | 1-216-089-00 | RES,CHIP | 47K | 5% | 1/10W |
| R2261 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W |
| R2262 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2263 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2264 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2265 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2266 | 1-216-295-00 | SHORT | 0 | | |
| R2267 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2268 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2269 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R2270 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2271 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R2272 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W |
| R2274 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2275 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2276 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2277 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2281 | 1-216-049-00 | RES,CHIP | 1K | 5% | 1/10W |
| R2283 | 1-216-295-00 | SHORT | 0 | | |
| R2284 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |

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MISCELLANEOUS
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| | | |
|---|---|---|
| ⚠ | 1-223-925-11 | RESISTOR ASSY (HIGH-VOLTAGE) |
| ⚠ | 1-251-372-21 | BOOSTER, RF |
| ⚠ | 1-451-455-61 | DEFLECTION YOKE (B) |
| ⚠ | 1-452-790-11 | NECK ASSY |
| ⚠ | 1-452-909-31 | MAGNET ASSY, 4 POLE |
| | 1-505-426-21 | SPEAKER (10.6 CM) (41 inch) |
| | 1-528-864-11 | BATTERY, SOLAR |
| | 1-529-404-11 | SPEAKER (5CM) (48/53 inch) |
| | 1-529-405-11 | SPEAKER (16CM) (48/53 inch) |
| * | 1-555-400-00 | CABLE, PIN |
| ⚠ | 1-574-062-61 | CORD, POWER (WITH CONNECTOR) 2.5A/250V (GE/ME MODEL, AUS MODEL 53 inch) |
| ⚠ | 1-574-358-51 | CORD, POWER (WITH CONNECTOR) (AUS MODEL 41/48 inch) |
| ⚠ | 1-769-609-21 | CORD, POWER (WITH CONNECTOR) (HK MODEL) |
| ⚠ | 8-598-955-12 | BLOCK ASSY, HIGH-VOLTAGE |
| ⚠ | 8-733-570-05 | PICTURE TUBE 07MXC2(G)(DIAPHRAGM) (48/53 inch) |
| ⚠ | 8-733-572-05 | PICTURE TUBE 07MXC3(R)(DIAPHRAGM) (48/53 inch) |
| ⚠ | 8-733-575-05 | PICTURE TUBE 07MAC3(B)(DIAPHRAGM) (48/53 inch) |
| ⚠ | A-1501-259-A | PICTURE TUBE MECHASEAL ASSY (R), SLIM (41 inch) |
| ⚠ | A-1501-260-A | PICTURE TUBE MECHASEAL ASSY (G), SLIM (41 inch) |
| ⚠ | A-1501-261-A | PICTURE TUBE MECHASEAL ASSY (B), SLIM (41 inch) |

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The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| | | ACCESSORIES AND PACKING MATERIALS | |
| | | ********** | |
| | ⚠ 1-569-008-11 | ADAPTOR, CONVERSION 2P (GE/ME MODEL) | |
| | 3-861-923-31 | MANUAL, INSTRUCTION (ENGLISH,FRENCH,ARABIC,CHINESE,PERUSSIAN) | |
| | * 4-029-168-01 | BAG, PROTECTION (41 inch) | |
| | * 4-030-895-01 | JOINT | |
| | * 4-041-423-11 | SHEET, PROTECTION (41/48 inch) | |
| | * 4-055-672-01 | BAG, PROTECTION (53 inch) | |
| | * 4-055-673-01 | SHEET, PROTECTION (53 inch) | |
| | * 4-060-976-01 | BAG, PROTECTION (48 inch) | |
| | * 4-065-646-01 | CUSHION (UPPER) (ASSY) (41 inch) | |
| | * 4-065-647-01 | CUSHION (LOWER) (ASSY) (41 inch) | |
| | * 4-065-652-01 | BOARD, TOP (41 inch) | |
| | * 4-065-730-01 | TRAY (41 inch) | |
| | * 4-069-898-01 | INDIVIDUAL CARTON (48 inch) | |
| | * 4-069-899-01 | TRAY (48 inch) | |
| | * 4-069-900-01 | BOARD, TOP (48 inch) | |
| | * 4-069-901-01 | BOARD, BOTTOM (48 inch) | |
| | * 4-069-902-01 | CUSHION (UPPER) (ASSY) (48 inch) | |
| | * 4-069-903-01 | CUSHION (LOWER) (ASSY) (48 inch) | |
| | * 4-069-987-01 | CUSHION (UPPER) (ASSY) (53 inch) | |
| | * 4-069-988-01 | CUSHION (LOWER) (ASSY) (53 inch) | |
| | * 4-069-993-01 | INDIVIDUAL CARTON (53 inch) | |
| | * 4-069-994-01 | TRAY (53 inch) | |
| | * 4-069-995-01 | BOARD, TOP (53 inch) | |
| | * 4-069-996-01 | BOARD, BOTTOM (53 inch) | |
| | * 4-070-211-01 | INDIVIDUAL CARTON (41 inch) | |
| | | REMOTE COMMANDER | |
| | | ********** | |
| | 1-473-978-21 | REMOTE COMMANDER (RM-871) | |
| | 4-978-977-01 | COVER, BATTERY (FOR RM-871) | |


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